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Food Fish Market Review

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FOOD FISH MARKET REVIEW

U.S. DEPARTMENT OF COMMERCE
Malcolm Baldrige, Secretary

National Oceanic and Atmospheric Administration
John V. Byrne, Administrator

National Marine Fisheries Service
William G. Gordon
Assistant Administrator for Fisheries

Prepared by
Fisheries Development Division
John T. Everett, Chief

Industry Analysis Branch
John Vondruska, Chief

Principal contributors
Richard K. Kinoshita
Dae K. Kim
Phone: (202) 634-7518

Statistical Assistants
Mary E. Cotton
James S. Roberts

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SUMMARY

Supplies of most finfish products in the first 9 months of 1981 were good, while demand and prices were mixed. The sluggish U.S. economy, stagnant personal income and spending, and smaller increases in prices of meat and poultry than in prices of fish contributed to the varied performance of finfish products. Real grocery store sales (adjusted for inflation) were 0.8 percent higher than in the first 9 months of 1980, while real restaurant sales rose 1.4 percent from a year earlier. Retail fish prices in the first 9 months of 1981 rose an average 5.8 percent; while meat prices advanced 3.5 percent and poultry prices increased 6.2 percent from a year earlier.

Fish sticks and portions: Consumption of fish sticks and portions in the first 9 months of 1981 declined from a year earlier. However, sales did pick up slightly during the second quarter, and this increase was apparently caused by the increase in restaurant traffic. The drop in consumption also led to lower production of fish sticks and portions. The weakness in consumption, in turn, was reflected in some lower prices in the second and third quarters of 1981 from the first 3 months, although prices were still substantially above a year earlier.

Fish blocks: The use of fish blocks dropped slightly, and for the most part reflected the decline in consumption of fish sticks and portions. The block market started the year on a strong note, but slackened during the first quarter. Prices also began high, peaking in the first quarter, then softening during the spring and summer quarters.

Groundfish fillets: The supplies of most groundfish fillets, except turbot, in the first half of 1981 were generally good, and prices were moderate. Beginning stocks were low, but higher imports augmented supplies. North Atlantic landings were off slightly. Flounder, haddock, and ocean perch prices were lower, and cod and turbot prices edged upward.

Salmon: Landings of salmon in 1981 were expected to be close to last year's catch, and should be at least the fourth highest in history. The export market for frozen salmon, primarily because of record Japanese purchases of sockeye salmon, was strong. The canned pack was likely to be slightly below last year's 4.2 million standard cases. Wholesale prices of canned salmon were 3 to 9 percent above a year earlier, and fresh and frozen salmon prices were also higher.

Tuna. Total supplies of raw tuna for the first 9 months of 1981 increased from the same period last year, and contributed to the increase in the pack. Lagging sales led to stable to lower prices. Total domestic landings dropped, but albacore landings returned to more normal levels, double those of the previous year. Imports of raw tuna increased 13 percent above January-September 1980. Although wholesale canned prices were mixed, exvessel prices remained unchanged from 1980, except for albacore, which were raised 10 percent.

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Outlook: The U.S. economy is forecast to decline through the spring of 1982 before strengthening and will affect demand for many products. Real restaurant sales are not likely to pick up until mid-1982. Although prices of beef and pork will be seasonally higher, and poultry prices will also move upward in the next few months, demand for meat and poultry is not as strong as in 1978 and 1979. Thus, the situation for these competing products is not likely to contribute to the demand for fish.

Supplies of most groundfish blocks and fillets should be adequate to meet demand through the first half of 1982. Demand for fish sticks and portions will continue to be weak, and prices will remain steady. Consumption of most fillets is expected to improve slightly from a year earlier. The supply of cod blocks and fillets, however, is likely to tighten, because of early filling of catch quotas and temporary closing of processing plants by the Canadians in 1981.

Supplies of canned and frozen salmon are good, and prices are expected to be steady through spring 1982. Foreign sales of frozen salmon, which were at record levels in the first 9 months of 1981, will slow, while export sales of canned salmon will continue just below year-earlier record shipments. Supplies of raw and canned tuna are more than adequate, and the sluggish demand is likely to persist. Based on this situation, prices should remain steady with occasional reductions.

FISH BLOCKS, STICKS AND PORTIONS

STICKS AND PORTIONS

The fish stick and portion market in the first 9 months of 1981 continued to be weak with consumption declining 10 percent from 1980 (table 1). There was a slight increase in the second quarter as customer traffic in restaurants experienced a gain, but consumption dropped sharply in the first and third quarters. In response to the weakness in consumption, production of fish portions was cut, and prices retreated slightly during the first 9 months of 1981. Prices were, however, still substantially above year-earlier levels.

Production of fish sticks and portions totaled 314 million pounds, down 6 percent from January-September of 1980 (table 2). The decline was centered on the reduced production of fish portions, while production of sticks was 6 percent above a year earlier. Lower demand by the food service industry and the effort by processors to minimize inventories kept production of portions low, primarily raw breaded and unbreaded portions. The recent trend in the popularity of batter-coated products was reversed in 1980. Production in the first 9 months of 1981 was unchanged from a similar period in 1980. During the first half

Table 1.--Supply and use of fish sticks and portions, January-September, 1979-81

Component	1979	1980	1981
	Million pounds		
Beginning stocks	37.1	41.7	32.0
Production			
Sticks	73.5	65.4	69.0
Portions	303.0	269.2	245.1
Total	376.5	334.6	314.2
Total supply	413.6	376.3	346.1
Ending stocks	37.7	28.7	33.0
Apparent consumption	375.8	347.7	313.2

Table 2.--Production of fish sticks and portions, by product and type. January-September, 1979-81

Product and type	1979	1980	1981
	Million Pounds		
Fish sticks			
Cooked, breaded	49.4	45.2	50.6
Cooked, batter-coated	19.9	14.7	13.7
Raw, breaded	4.2	5.5	4.7
Total	73.5	65.4	69.0
Fish portions			
Cooked, breaded	63.2	53.0	53.3
Cooked, batter-coated	74.7	69.4	70.3
Raw, breaded	141.7	128.6	109.3
Unbreaded	23.4	18.1	12.3
Total	303.0	269.2	245.1
Grand total	376.5	334.6	314.2

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of 1981, inventories of sticks and portions were substantially below the relatively high year-earlier levels. By the end of the third quarter, cold storage holdings were higher than a year earlier, when they declined sharply. Stocks at the end of September were 33 million pounds, 15 percent above a similar date last year, but equal to the 1978-80 average.

Apparent consumption of sticks and portions in the first 9 months of 1981 declined 10 percent from a year earlier and 17 percent from the 1979 record consumption. The drop in consumption can be attributed mostly to the poor first quarter, usually the quarter with highest consumption, when consumption declined 15 percent from the same period in 1980. The 6-percent decline in restaurant customer traffic, caused by the sluggish economy, and higher prices were likely explanations for the large drop in consumption. Second quarter consumption advanced 2 percent above the corresponding period in 1980. Customer traffic rose at fast food and family restaurants as strong promotional usage helped increase visits. However, third quarter consumption dropped 14 percent from a year earlier. Although real grocery store sales were up slightly in the first 9 months of 1981, the 5-percent increase in stick production indicated a likely advance in home consumption of fish sticks.

Overall, consumption in the first 9 months of 1981 was also affected by sharply higher prices for most species of sticks and portions. Except for haddock sticks and portions, average wholesale prices in the third quarter were 7 to 18 percent above a year earlier. Prices for cod sticks and portions were 8 to 10 percent above the third quarter of 1980, while pollock products jumped about 17 percent. At the same time, prices for whiting sticks and portions increased about 6 percent, but products made from haddock dropped slightly.

FISH BLOCKS

The market for blocks at the beginning of 1981 was strong, but weakened when consumption of fish sticks and portions declined (table 3). The use of blocks was off only 2 percent in the first 9 months of 1981. After peaking in the first quarter, prices in the second quarter were beginning to soften.

Imports of blocks in the first half of 1981 were 11 percent above a year earlier, and most kinds of blocks were considerably above last year. There was a sharp drop in the third quarter, and the 9-month total was just under 1980 (table 4). Imports of pollock, haddock, and minced blocks increased 16 to 18 percent.

Table 3.--Supply and use of fish blocks, January-September, 1979-81

Component	1979	1980	1981
	Million pounds		
Beginning stocks	71.9	62.5	46.7
Production	.8	.9	.7
Imports	317.6	269.0	268.2
Total supply	390.3	332.4	315.6
Ending stocks	68.3	57.6	45.3
Disappearance	322.0	274.8	270.2

The leading species, cod, was down slightly, while whiting blocks declined sharply, primarily because of a large decrease in shipments from Argentina. Argentina's exports have been hampered by a high rate of inflation, and rising production costs relative to their export prices. On a country comparison, some major suppliers increased, while others decreased block shipments to the United States. Higher imports from Denmark, Greenland and Norway offset the lower shipments from Argentina, Canada, and Iceland. The 26-percent drop in shipments of cod blocks from Iceland was caused by the soft market, and also by increased quantities going into the dried and salted cod market.

In the first 9 months of 1981, total block use declined 2 percent from the same period last year (table 5). Block use by species or type was mixed. Demand for cod, flounder, whiting, and minced blocks declined, while use of haddock rose. The reason for the difference between the 2-percent drop in block use and the 10-percent decline in consumption of sticks and portions can be partially explained by a time lag between

Table 4.--Imports of fish blocks, by species January-September, 1979-81

Species	1979	1980	1981
	Million pounds		
Cod	158.7	132.0	123.8
Pollock	62.4	48.4	57.0
Haddock	15.0	24.5	28.3
Whiting	39.7	30.4	21.3
Minced	16.0	16.3	19.2
Other	25.7	17.4	18.6
Total	317.6	269.0	268.2

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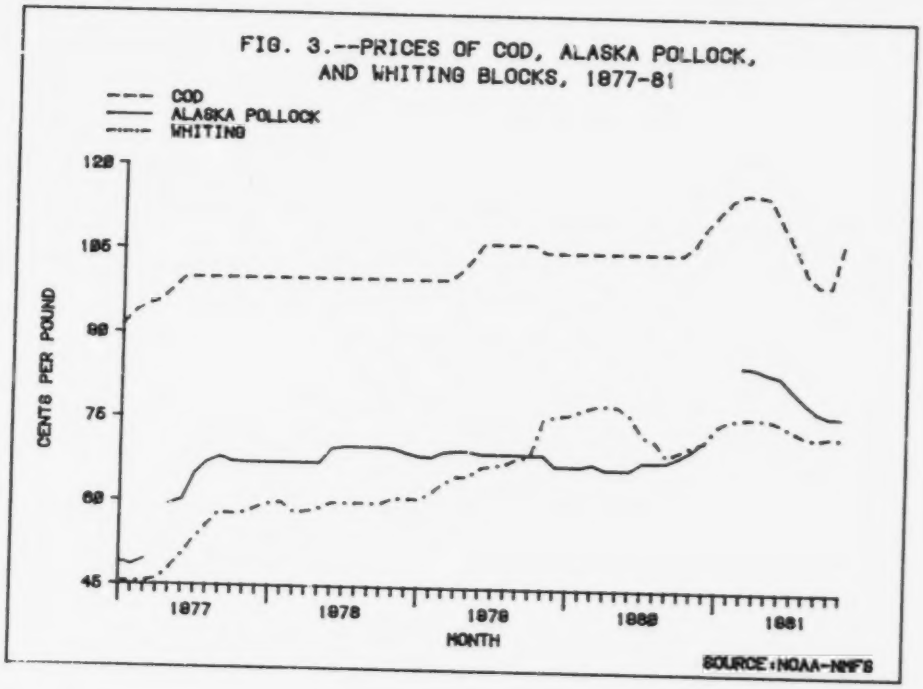

the two. A good 1980 fourth quarter in stick and portion consumption raised hopes for increased demand in 1981; however, the poor showing of consumption in the first quarter of 1981 dashed those hopes. Demand weakened and was accompanied by lower prices.

Table 5.--Use of fish blocks, by species, January-September, 1980 and 1981

Species	1980	1981	Change
	Million pounds		Percent
Cod	136.2	117.9	- 13
Pollock	57.2	57.1	(1)
Haddock	17.5	33.5	+ 91
Whiting	29.8	21.6	- 28
Minced	19.4	18.3	- 6
Other	14.7	21.8	+ 48
Total	274.8	270.2	- 2

(1) Less than 0.5 percent.

Total inventories of blocks on September 30, 1981 were 21 percent below a year earlier, and 37 percent under the 1978-80 average for that date. Holdings of cod blocks on September 30, 1981 were 18 percent below a year earlier, while holdings of pollock and whiting blocks were 12 and 30 percent, respectively, below those of the same date last year.

After a rapid rise in prices of most blocks in late 1980 and through the first quarter of 1981, the market for blocks softened and prices declined. For example, the price of cod blocks advanced from $1.05 a pound in October 1980 to $1.16 in March and April 1981, and in several steps dropped to $1 a pound in September. Pollock and whiting block prices also rose between October 1980 and March 1981, but prices receded by 3 to 8 cents a pound by the third quarter. Contrary to the movement of prices of the three major blocks, prices of flounder and haddock blocks steadily declined for most of 1980 and through the first 9 months of 1981. For haddock blocks, the drop in prices was instrumental in the increased use, because prices dropped below prices of cod blocks during most of 1981.

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OUTLOOK

Consumption of fish sticks and portions in the fourth quarter of 1981 and the first half of 1982 is expected to remain below 1980 levels. Lower wholesale prices and more than adequate supplies of blocks, sticks and portions should prevent a major decline in consumption. However, lower wholesale prices are not always reflected in lower retail or restaurant menu prices, because additional factors determine prices charged. The pessimistic outlook for the U.S. economy, slowing gains in consumer income, and lower than expected increases in meat and poultry prices will keep sales of fish sticks and portions down.

GROUNDFISH FILLETS

The domestic market for groundfish fillets, except for turbot in the first half of 1981 was brisk because of increased imports and moderate prices. Groundfish landings at major North Atlantic ports were off slightly. Imports were up 22 percent--enough to offset the significantly lower beginning inventories. Total supplies were up slightly (table 6). Cod and turbot prices were higher, while flounder, haddock and ocean perch prices fell.

Table 6.--Supply and use of groundfish fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	77.2	56.4	- 27
Landings (1)	60.2	59.9	- 1
Imports	139.4	169.9	+ 22
Total supply	276.8	286.2	+ 3
Ending stocks	54.8	51.1	- 7
Apparent consumption	222.0	235.2	+ 6

(1) North Atlantic only.

Note: Includes cod, haddock, flounder, turbot, ocean perch, and pollock.

The largest increases in imports were for flounder (9 percent) and ocean perch (49 percent). Imports of turbot fillets were down 15 percent. Total imports from Canada, the leading supplier, were up 77 percent and offset the lower shipments from other major suppliers (table 7). Consumption of major groundfish fillets improved slightly to 235 million pounds--6 percent above 1980. Demand for cod, flounder and haddock was good, while the consumption of turbot fillets was down sharply.

Prices for turbot and cod fillets strengthened because of tight supplies for turbot and strong demand for cod fillets, while prices for haddock, flounder, and ocean perch weakened because of ample supplies.

Table 7.--Imports of groundfish fillets, by country of origin, January-June, 1980 and 1981

(Fillet weight)

Country	1980	1981	Change
	Million pounds		Percent
Canada	56.0	99.3	+ 77
Iceland	53.7	48.5	- 10
Japan	11.1	10.1	- 9
Norway	8.2	4.3	- 48
Denmark	6.2	3.9	- 37
Republic of Korea	0.4	0.8	+ 100
Other	3.8	2.9	- 24
Total	139.4	169.9	+ 22

The Canadian groundfish industry has been plagued by early filling of their catch quotas, high rates of interest, high inventories, and supplies exceeding demand. Numerous Eastern Canadian fish plants were temporarily closed in late August 1981. Reportedly, many smaller Eastern Canadian packing companies will not be able to open their doors in 1982. Groundfish imports from Canada in late 1981 and early 1982 could be lower, once present inventories are reduced, and before new supplies reach the market.

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COD

The cod fillet market in the first half of 1981 continued to be strong, but because of increased supplies at mid-year prices weakened. Domestic landings were off, but increased imports more than offset the decline in landings and lower beginning inventories. First half consumption attained a new record level, even though prices were at record high levels during part of the first half.

U.S. North Atlantic landings of cod in the first half of 1981 slipped 9 percent from a year earlier. Imports increased to 85 million pounds, up 17 percent from January-June 1980. Imports from Canada, the leading supplier in 1981, gained 56 percent and accounted for almost all of the increase in imports. Iceland, the major supplier in 1980, slipped into second place as its shipments fell 5 percent to 35 million pounds.

First half consumption of cod fillets hit a record level of 104 million pounds, up 16 percent from a corresponding period in 1980, and 10 percent above the previous high in 1979 (table 8). The demand for cod fillets outperformed the market for fishery products, but increased supplies at the end of the first half led to suppliers lowering prices.

Holdings of cod fillets were down throughout the first half. High interest rates forced most users to minimize their holdings. Cold storage holdings on July 1, 1981 amounted to 18.5 million pounds, down 29 percent from a similar date in 1980.

Prices at all levels for fresh and frozen cod fillets were substantially above 1980, but some prices weakened at mid-year. The exvessel price in May, the month with the heaviest landings, was 23 percent above a year earlier. Wholesale prices for frozen Canadian fillets were at a record high $1.18 a pound in the first quarter, 36 percent above a similar period last year. Prices dropped precipitously during the second quarter to $1 by July (fig. 4). At the same time, frozen Icelandic boneless cod fillets remained unchanged at $1.60 a pound in the first 4 months of 1981; however, prices were raised 20 cents a pound in June (fig. 5). At the retail level, prices of frozen cod fillets during most of the first half of 1981 were 8 to 11 percent above those in 1980. Meanwhile, retail prices of fresh cod fillets in New York City were 12 to 20 percent above a year earlier in the first half, and ranged from $4.10 in March to $3.76 in July.

FLOUNDER

Increased supplies and lower wholesale prices contributed to the 6-percent increase in consumption of flounder in the first half of 1981 (table 9). Domestic landings were up slightly, but imports were nearly double those of a year earlier. The increase in imports was greater than the increase in consumption causing a jump of almost 1-1/2 times in cold storage holdings from the previous year.

Table 8.--Supply and use of cod fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	24.0	19.7	- 18
Landings (1)	19.6	17.9	- 9
Imports	72.7	85.2	+ 17
Total supply	116.3	122.8	+ 6
Ending stocks	26.1	18.5	- 29
Apparent consumption	90.1	104.3	+ 16

(1) North Atlantic only.

Table 9.--Supply and use of fresh and frozen flounder fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	12.7	12.5	- 2
Landings (1)	22.8	23.2	+ 2
Imports	15.0	28.4	+ 89
Total supply	50.6	64.1	+ 27
Ending stocks	7.6	18.6	+ 145
Apparent consumption	43.0	45.5	+ 6

(1) North Atlantic only.

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FIG. 4.--WHOLESALE PRICES OF FROZEN FILLETS OF COD, GREENLAND TURBOT, AND OCEAN PERCH, MONTHLY, 1977-81

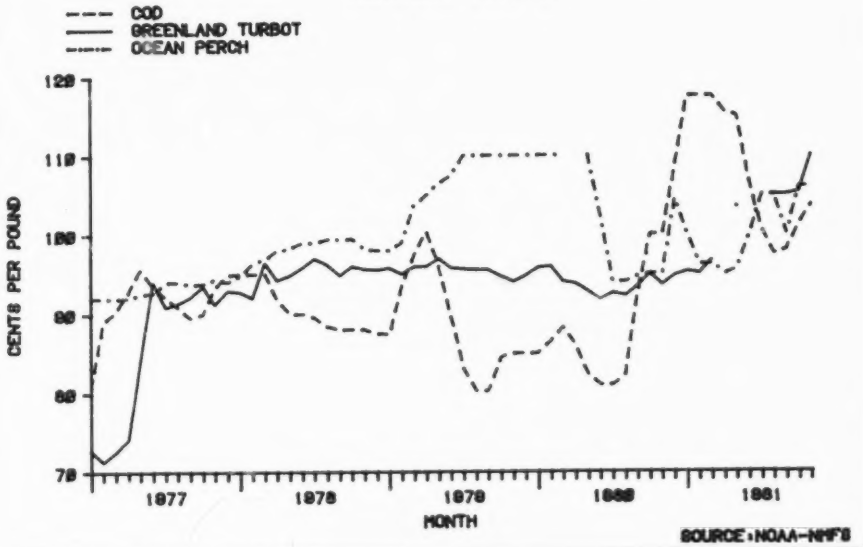
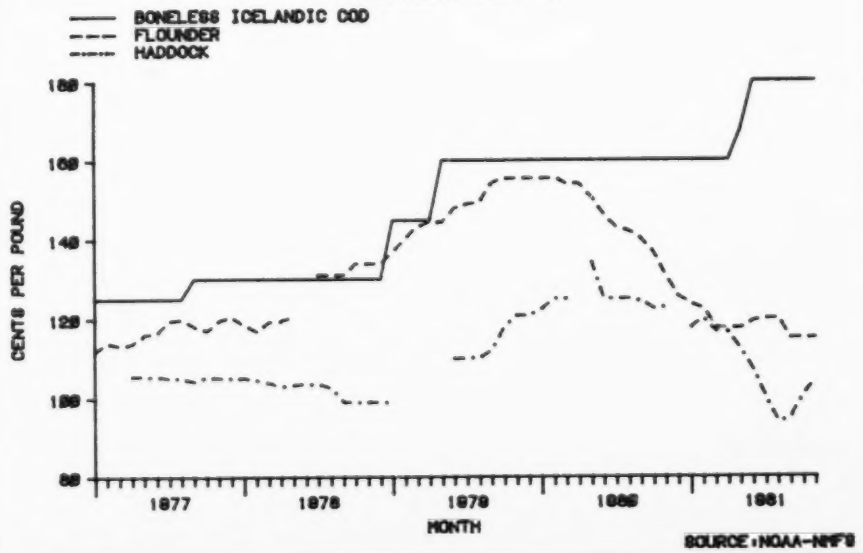


FIG. 5.--WHOLESALE PRICES OF FROZEN FILLETS OF ICELANDIC COD, FLOUNDER, AND HADDOCK, MONTHLY, 1977-81



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U.S. North Atlantic landings of flounder in the first half of 1981 increased 2 percent to 23.2 million pounds (fillet weight). Flounder landings in Canada rose 18 percent and resulted in a 17-percent increase in shipments to the United States. Canada was the major supplier with 86 percent of the total. Japan was a distant second with 11 percent. First half imports of 28.4 million pounds were 89 percent above 1980 and surpassed the previous record high in 1976.

Cold storage holdings of flounder fillets at the beginning of 1981 were 2 percent below the previous year and were 19 percent above the 1978-80 average. Holdings usually reach a low between April and June, then gradually build to the end of the year. This year's low in April was double the 1978-80 average. Holdings increased from 11.2 million pounds on April 1, 1981 to 18.6 million pounds on July 1, 1981. The July 1 holdings were 145 percent above those on the same date last year. The increased supplies went into cold storage, when consumption slowed in the second quarter.

Domestic consumption of flounder fillets in the first half of 1981 increased to a record 45.5 million pounds, 6 percent above a year earlier. Consumption was strong in the first quarter, but weakened in the second quarter.

Wholesale prices for frozen Canadian fillets have been falling for nearly a year from record levels in early 1980 to the spring of 1981 (fig. 5). Prices gradually declined from $1.56 a pound in February 1980 to $1.18 in March 1981, a drop of 24 percent, and have remained weak. Though wholesale prices were falling, retail prices for frozen fillets were an average of 4 percent higher than in the first half of 1980. Retail prices of fresh fillets in New York City averaged $4.71 a pound in the first 6 months of 1981, over 20 percent above a year earlier.

TURBOT

Total supplies of turbot fillets in the first half of 1981 were light compared with a year earlier. Beginning inventories were low, imports were down, and prices rose because of the short supplies. Apparent consumption was down sharply. Ending inventories in June 1981 were almost the same level as a year earlier.

Greenland turbot fishing in Japan, the United States' leading supplier of turbot fillets, has been poor and Japanese home markets have been strong. Imports from Japan decreased from 6.4 million pounds to 4.5 million pounds, and accounted for 49 percent of total imports, down from 60 percent a year earlier. Shipments from Canada were replacing Japanese imports and taking a larger market share in the United States. Imports from Canada increased from 3.2 million pounds to 4.1 million pounds, accounting for 46 percent of total imports, up from 30 percent last year. Beginning inventories were 3.4 million pounds, down 63 percent from a year earlier. Ending stocks in June 1981 were almost the same level as a year earlier at 1.9 million pounds. Apparent consumption was 10.5 million pounds in the first half of 1981--down 41 percent from a year earlier (table 10).

Table 10.--Supply and use of turbot fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	9.1	3.4	- 63
Landings	0	0	0
Imports	10.7	9.1	- 15
Total supply	19.8	12.4	- 37
Ending stocks	2.0	1.9	- 5
Apparent consumption	17.8	10.5	- 41

Greenland turbot prices strengthened throughout the first half of 1981 due to short supplies. Wholesale prices for 5-pound Canadian fillets ranged from 95 cents a pound to 105 cents--up 13 percent from a year earlier. Wholesale prices for 25-pound Japanese fillets ranged from $1.12 a pound to $1.23 a pound--up 20 percent from a year ago. Retail prices increased steadily and reached $2.09 a pound in May, 1981--up 15 percent from a year ago.

HADDOCK

With the beginning inventories high, total supplies of haddock fillets in the first half of 1981 were higher. Landings were up, but imports declined (table 11). Consumption rose because of the increased supplies and lower prices.

U.S. landings in North Atlantic ports were up 9 percent. Landings in Canada were up 63 percent. Imports from Canada increased, while

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imports from European countries (Iceland, Norway, and Denmark) decreased. Total imports were off 4 percent. The high beginning inventories contributed most to the increase in total supplies from 29.6 million pounds in the first half of 1980 to 33.2 million pounds in the first half of 1981--up 12 percent. Ending inventories in June 1981 were 5.6 million pounds, 2 percent above a year earlier. Apparent consumption increased 15 percent to 27.6 million pounds.

Table 11.--Supply and use of haddock fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	4.4	7.7	+ 75
Landings (1)	9.5	10.4	+ 9
Imports (2)	15.7	15.1	- 4
Total supply	29.6	33.2	+ 12
Ending stocks	5.5	5.6	+ 2
Apparent consumption	24.1	27.6	+ 15

(1) North Atlantic only.
(2) Estimated from a category containing haddock, pollock, cusk, and hake.

Exvessel, wholesale, and retail prices softened because of ample supplies. Exvessel prices at major New England ports were on the average down 3 percent from a year earlier. The wholesale price for 5-pound Canadian frozen fillets was down to 93.8 cents a pound in August 1981, the lowest since 1977. The retail price for frozen fillets ranged from $2.57 to $2.65 a pound, similar to last year.

OCEAN PERCH

Higher landings in Canada led to increased purchases of ocean perch from Canada despite the weak wholesale and retail prices in the United States. Higher imports offset lower beginning inventories and lower domestic landings (table 12). Total supplies of ocean perch fillets were lower than a year ago, but apparent consumption was slightly higher. Ending inventories in June 1981 were below a year ago.

U.S. landings of ocean perch in North Atlantic ports were down 27 percent in the first half of 1981 compared with a year earlier (table 12). Landings in Canada were up 67 percent. Imports were up 49 percent, primarily because of a 106-percent increase in shipments from Canada, the United States' leading supplier. Inventories were lower throughout the first half of 1981 than a year earlier. Total supplies were down 11 percent, but apparent consumption increased 2 percent. Ending inventories were down 53 percent.

Table 12.--Supply and use of ocean perch fillets, January-June, 1980 and 1981

(Fillet weight)

Component	1980	1981	Change
	Million pounds		Percent
Beginning stocks	19.4	8.7	- 55
Landings (1)	3.3	2.4	- 27
Imports	15.0	22.3	+ 49
Total supply	37.7	33.5	- 11
Ending stocks	8.8	4.1	- 53
Apparent consumption	28.9	29.4	+ 2

(1) North Atlantic only.

With beginning inventories low, exvessel prices for ocean perch in early 1981 were strong. Exvessel prices reached 32 cents a pound in June 1981, up from 22 cents a year earlier. However, wholesale and retail prices for ocean perch fluctuated in the first half of 1981. Wholesale prices averaged 97.2 cents a pound, down 10 percent from a year earlier. Retail prices averaged $2.15 a pound, which was up less than 1 percent.

OUTLOOK

Supplies of groundfish fillets are expected to be adequate to meet demand for the rest of 1981, but could begin to tighten for some species, particularly cod, in early 1982. Domestic landings will be seasonally low until spring. Catches by major foreign suppliers will also be seasonally low; however, they will no longer be restricted by filled fishing quotas at the start of the new year.

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At the end of September, U.S. inventories of flounder and ocean perch fillets were substantially above the same date a year ago. Cod holdings were off 22 percent, while holdings of turbot fillets were 15 percent above a year earlier. Canadian holdings of groundfish fillets at the end of July were 44 percent above a year earlier. Canadian cold storage holdings of cod, flounder, and turbot were significantly higher compared to 1980. With the temporary closure of many processing plants, holdings will decline.

As long as there are no extreme fluctuations in prices, consumption of groundfish fillets is expected to increase slightly in the second half of 1981 from a year earlier. Although consumption of turbot fillets improved in the third quarter of 1981, consumption will be down for the year.

Prices of flounder fillets should remain fairly steady for the rest of 1981 and early 1982 because inventories in the United States and Canada are up. With lower cod block and fillet holdings and a strong market for dried and salted cod, additional advances in cod fillets prices are likely. At the same time, prices of haddock, ocean perch, and turbot fillets should strengthen.

SALMON

After the third highest salmon catch in 1980, pre-season predictions were for salmon landings in Alaska to decline by one-third in 1981. The actual runs in Alaska were surprisingly good, and the catch is expected to be close to the 1980 level. The 1981 canned salmon pack is estimated to be 10 percent below last year's pack. The export market for fresh and frozen salmon was strong because the Japanese purchased over double the quantities bought in 1980. Prices for canned salmon were moderately above a year ago, but have been steady in 1981. Prices for fresh and frozen salmon were generally higher because of the strong export demand.

Preliminary data has Alaska landings in 1981 at 109.9 million fish, just under the 110.3 million salmon landed in 1980. The catch of red, chum, and king salmon increased, and offset the drop in the harvest of pinks and cohos. Salmon landings in Bristol Bay, the largest harvesting area in Alaska, experienced their second highest level in history. Increased catches of red, chum, king, and silver salmon resulted in a harvest of nearly 28 million fish. Because of an early settlement on an exvessel price of 75 cents a pound for red salmon, no fishing time was lost in 1981, in contrast to last year. In 1980, catches were limited by lengthy negotiations until a price of 57 cents a pound was finally reached. Increased catches in 1981 of pinks in the Prince William Sound area could not offset lower harvests in Bristol Bay, Kodiak, and Alaska Peninsula area. There also was a doubling of the catch of chums in Prince William Sound and Cook Inlet.

The 1981 canned salmon pack in British Columbia, Canada amounted to 1,872,000 standard cases, almost 90 percent greater than in 1980, and only 4 percent below the record pack in 1951. Again as in 1980, salmon was shipped from the United States for canning. This contributed 13 percent of the total pack compared to about 20 percent in 1980.

Foreign sales of canned salmon in the first 9 months of 1981 were 6 percent below last year's record exports. It has been reported that the stronger U.S. dollar has hampered sales somewhat. Shipments to the three leading purchasing countries were 3 to 8 percent lower than the same period in 1980 (table 13).

Table 13.--U.S. exports of canned salmon, by country of destination, January-September, 1980 and 1981

Country	1980	1981
	Thousand pounds	
United Kingdom	20,367	18,699
Canada	8,863	8,294
Australia	4,584	4,430
Netherlands	4,406	2,778
Other	4,644	5,926
Total	42,864	40,127

While exports of canned salmon declined, sales of fresh and frozen salmon jumped 75 percent above January-September 1980, already surpassing last year's annual total (table 14). The increase was caused by the doubling of purchases by the Japanese. Shipments to Canada increased 57 percent in the first 9 months of 1981 compared to a year earlier and were primarily fish used by their canning industry. Purchases by France and the United Kingdom also increased substantially.

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Table 14.--U.S. exports of whole or dressed salmon, by country of destination, January-September, 1980 and 1981

Country	1980	1981
	Thousand pounds	
Japan	58,642	120,285
Canada	15,722	24,652
France	8,627	10,083
United Kingdom	3,968	5,568
Sweden	3,367	1,784
Other	7,037	8,035
Total	97,563	170,407

Wholesale prices for canned salmon in the third quarter were 3 to 9 percent above a year earlier, although they were stable during the first 8 months of 1981. Third quarter prices for 1-pound cans of red (sockeye) salmon were 3 percent above a year earlier; they were increased $3 a case in September to $114, but were reduced about $2 a case in October. Case prices of 1-pound cans of pink and chum salmon were 9 percent and 3 percent, respectively, above the third quarter of 1980. Prices were stable in the first 8 months of 1981, but were lowered slightly in September and again in October. Prices of canned pink salmon were reduced by $4 to $82 a case, while a case of chum salmon was lowered just over $1 a case to slightly under $73 a case.

Overall, export prices for whole or dressed salmon were above a year earlier, even though the U.S. dollar was stronger and quantities shipped were sharply higher.

OUTLOOK

The excellent 1981 catch will provide another year of good to excellent supplies of canned and frozen salmon. This year's pack should be just under the 1980 pack, but supplies of canned salmon will be abundant. Export demand is not as strong as last year when record shipments were achieved, and this should provide greater quantities for the U.S. market. Wholesale prices of red and pink canned salmon in October were running slightly above a year ago, while prices of chum salmon dropped below last year. Prices are expected to remain fairly steady through the spring assuming there is no significant change of the U.S. dollar against European currencies.

Foreign sales of frozen salmon are expected to slow after the record quantities shipped in the first 9 months of 1981. Because of near record landings in Japan of domestic salmon and huge purchases earlier, shipments to Japan are likely to be reduced. European markets have strengthened recently, and sales to Europe should improve even though the strong United States dollar has hindered trade. Inventories of frozen salmon at the end of September totaled 38 million pounds, up 18 percent from a year earlier. However, only pinks were abundant, while holdings of other species were lower or unchanged from a year ago.

TUNA

Supplies of raw and canned tuna in the first 9 months of 1981 were slightly greater than in 1980, and were ample to meet demand. The economic situation affecting demand is one of continuing weakness in consumer income and spending, and sluggish total food sales (in real terms, adjusted for inflation). Retail prices of light meat tuna have declined and prices of white meat (albacore) tuna have been stable. Overall, the receipts of domestic-caught tuna were down 9 percent, but imports were up 13 percent. Thus, total new supplies of raw tuna for the first 9 months of 1981 were up from the same period last year. The canned pack was 4 percent higher.

Table 15.--Receipts of domestic-caught tuna and bonito by U.S. canners, including American Samoa and Puerto Rico, by species, January-September, 1980 and 1981

Species	1980	1981	Change
	Short tons		Percent
Albacore	4,387	11,074	+ 152
Bluefin	1,882	791	- 58
Skipjack	93,050	74,207	- 20
Yellowfin	90,923	86,248	- 5
Bonito	5,827	5,954	+ 2
Total	196,069	178,274	- 9

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Receipts of domestic-caught tuna and bonito for the first 9 months in 1981 were 178,274 short tons, 9 percent below a year earlier (table 15). Unusually early warm weather and an exvessel price of $1,800 per ton combined to help fishing for albacore in the early summer, but bad weather reduced effort in August and September. Albacore receipts increased 152 percent through September 1981 over the low level of the same period last year. Receipts of skipjack fell 20 percent, and yellowfin declined 5 percent.

Imports of raw tuna for the first 9 months of 1981 were 13 percent above the same period of a year earlier. They amounted to 488 million pounds, up from 431 million pounds in 1980 (table 16). This increase occurred even though there are currently embargoes on tuna imports from seven countries, namely Spain, Peru, Costa Rica, Senegal, Congo, Mexico and Ecuador. Some of the embargoes were imposed under the terms of the Marine Mammal Protection Act; others were based upon seizures of U.S. tuna boats under 200-mile limit rules of individual foreign countries. There were no tuna imports from the seven countries, except Spain in 1981. Total imports of albacore declined 1 percent, while imports of skipjack, yellowfin, and others increased from 14 to 33 percent (table 16). Japan was the major supplier of raw tuna with 18 percent of the total. The Philippines was second with 10 percent, followed by France and Papua New Guinea. Imports of canned tuna to September 1981 were 57 million pounds, 14 percent above the same period of the previous year, but the annual total is effectively limited by the quota.

Table 16.--Imports of raw and canned tuna by type and species, January-September, 1980 and 1981

Type and species	1980	1981	Change
	Million pounds		Percent
Raw tuna			
Albacore	97	96	- 1
Skipjack	245	279	+ 14
Yellowfin	80	102	+ 28
Not specified	9	12	+ 33
Total raw	431	488	+ 13
Canned tuna			
In oil	(1)	(1)	-
In brine	50	57	+ 14
Total canned	50	57	+ 14

(1) Less than 500,000 pounds.

With increased supplies of raw tuna for the first 9 months of 1981, the pack of canned tuna and bonito increased from 22.3 million cases in the first 9 months of 1980 to 23.1 million cases in the same period of 1981--up 4 percent. The white meat pack increased 28 percent, and the light meat pack decreased 1 percent.

Prices of albacore tuna have been higher in 1981 than in 1980 at the exvessel, wholesale and retail levels, while prices of other tuna have been mixed. Exvessel prices of bluefin, skipjack, and yellowfin remain unchanged from their levels of the last year and a half, while exvessel prices for albacore increased from $1,635 a ton to $1,800 a ton in early 1981 and then remained unchanged.

Wholesale price advances of canned tuna during 1981 were notably less than during 1980, so that price differences narrowed as 1981 progressed. Wholesale prices have leveled off. For albacore (white meat) tuna, prices were 16 percent higher for advertised brands and 14 percent higher for private labels than in 1980. Prices for advertised brands of chunk light tuna rose 13 percent while prices of private labels increased 6 percent, before promotional allowances. The prices remained at $50.00 a case for 6-1/2 oz. cans of advertised light chunk in early 1981 and at $39.50 a case for private label light chunk in January-September 1981, before promotional allowances, which have been running about $8 to $13 per case compared with $4 to $10 in 1980 on advertised brands.

The retail price for a 7 oz. can of white solid was relatively stable at about $1.50 per can through October. The retail price of light chunk tuna trended downward from $1.06 for a 6-1/2 oz. can in January 1981 to $0.92 in July, and advanced since then to $1.00 per can in October. Compared with a year earlier, a can of white solid was 8 percent higher, but a can of light chunk was 4 percent lower in October 1981.

OUTLOOK

Total supplies of tuna and bonito are likely to remain ample for the anticipated sluggish demand well into 1982. Cannery receipts of domestic-caught tuna and bonito in the fourth quarter and first quarter of 1982 will be seasonally low. Imports of raw tuna are expected to be higher in 1981 than in 1980. Reportedly, worldwide inventories of canned tuna are high. If this assessment is correct, prices are likely to remain stable in the fourth quarter of 1981 and into 1982.

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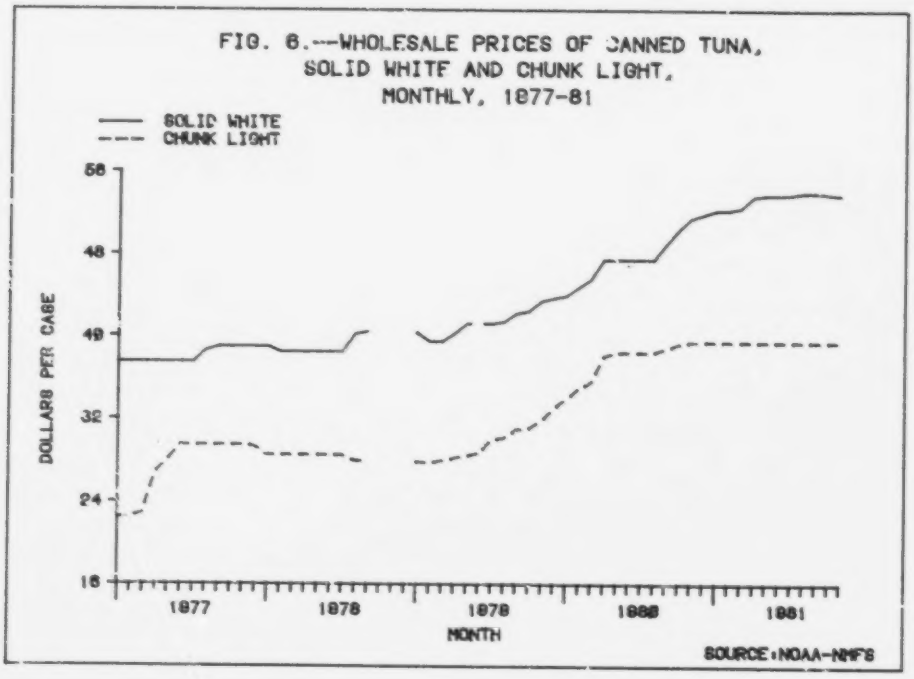

FIG. 6.--WHOLESALE PRICES OF CANNED TUNA, SOLID WHITE AND CHUNK LIGHT, MONTHLY, 1977-81

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STATISTICAL APPENDIX

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TABLE A 1.--SUPPLY AND USE OF FISH STICKS AND PORTIONS, MONTHLY, 1979-81
(PRODUCT WEIGHT)

MONTH	SUPPLY					USE	
	BEGINNING STOCKS	PRODUCTION: STICKS	PRODUCTION: PORTIONS	PRODUCTION: TOTAL	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS							
1979								
JANUARY	37.1	8.2	35.0	43.2	0.2	80.6	36.7	43.8
FEBRUARY	36.7	9.5	33.5	43.0	0.3	79.9	34.0	45.9
MARCH	34.0	11.5	43.0	54.5	0.3	88.9	29.7	59.2
1ST QTR	37.1	29.2	111.5	140.7	0.8	178.6	29.7	149.0
APRIL	29.7	9.3	34.6	43.9	0.4	74.0	33.5	40.5
MAY	33.5	5.3	35.6	40.8	0.3	74.6	38.9	35.7
JUNE	38.9	7.2	30.3	37.5	0.2	76.6	41.3	35.3
2ND QTR	29.7	21.8	100.4	122.2	0.9	152.8	41.3	111.5
JULY	41.3	5.4	22.9	28.4	0.3	69.9	37.3	32.6
AUGUST	37.3	7.9	33.6	41.3	0.1	78.7	36.6	42.1
SEPTEMBER	36.6	9.1	34.8	43.9	0.1	80.6	37.7	42.9
3RD QTR	41.3	22.5	91.1	113.6	0.5	155.3	37.7	117.6
OCTOBER	37.7	6.6	36.0	42.5	0.1	80.3	39.4	40.9
NOVEMBER	39.4	8.1	30.1	38.2	0.1	77.8	40.9	36.9
DECEMBER	40.9	7.9	27.1	35.0	0.1	75.9	41.7	34.2
4TH QTR	37.7	22.6	93.1	115.7	0.2	153.7	41.7	111.9
YEAR	37.1	96.1	396.1	492.1	2.4	531.7	41.7	490.0
1980								
JANUARY	41.7	8.2	33.1	41.3	0.1	83.1	40.1	43.0
FEBRUARY	40.1	9.5	36.5	45.9	0.1	86.2	36.1	50.1
MARCH	36.1	10.2	37.5	47.7	0.2	84.0	36.8	47.2
1ST QTR	41.7	27.8	107.1	135.0	0.4	177.1	36.8	140.3
APRIL	36.8	6.8	30.5	37.4	0.1	74.3	38.2	36.1
MAY	38.2	5.0	25.2	30.3	0.1	68.6	46.2	22.4
JUNE	46.2	8.1	26.6	34.7	0.1	81.0	43.6	37.5
2ND QTR	36.8	20.0	82.4	102.4	0.3	139.5	43.6	96.0
JULY	43.6	4.0	20.4	24.5	0.1	68.1	40.4	27.7
AUGUST	40.4	5.8	26.8	32.6	0.1	73.1	35.9	37.2
SEPTEMBER	35.9	7.7	32.4	40.2	0.1	76.3	28.7	47.6
3RD QTR	43.6	17.6	79.6	97.2	0.3	141.1	28.7	112.5
OCTOBER	28.7	8.1	32.6	40.7	0.1	69.5	33.2	36.3
NOVEMBER	33.2	7.0	29.3	36.4	0.1	69.6	32.3	37.3
DECEMBER	32.3	7.9	30.1	38.0	0.1	70.5	32.0	38.5
4TH QTR	28.7	23.0	92.1	115.0	0.4	144.1	32.0	112.1
YEAR	41.7	88.4	361.2	449.6	1.4	492.8	32.0	460.8
1981								
JANUARY	32.0	6.7	24.5	31.2	0.1	63.3	32.9	30.3
FEBRUARY	32.9	9.2	29.6	38.8	0.3	72.0	31.3	40.7
MARCH	31.3	10.5	35.2	45.6	0.2	77.1	28.7	48.6
1ST QTR	32.0	26.4	89.2	115.6	0.6	148.2	28.7	119.5
APRIL	28.7	8.7	29.8	38.5	0.2	67.4	29.2	38.2
MAY	29.2	5.3	25.8	31.0	0.1	60.4	35.4	25.0
JUNE	35.4	9.1	27.6	36.7	0.1	72.2	37.6	34.6
2ND QTR	29.7	23.1	83.2	106.3	0.4	135.4	37.6	97.7
JULY	37.6	3.1	17.6	20.8	0.1	58.5	34.3	24.2
AUGUST	34.3	8.7	26.1	34.8	0.2	69.2	32.7	36.5
SEPTEMBER	32.7	7.8	29.0	36.8	0.1	69.6	31.9	37.7
3RD QTR	37.6	19.6	72.7	92.3	0.4	130.3	31.9	98.4
OCTOBER	31.9				0.1		31.8	
NOVEMBER	31.8							
DECEMBER								
4TH QTR								
YEAR								

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

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TABLE A 2.--WHOLESALE PRICES FOR FISH STICKS AND PORTIONS, MONTHLY, 1979-81

MONTH	STICKS, COOKED BREADED				PORTIONS, RAW BREADED			
	COD	HADDOCK	POLLOCK	WHITING	COD	HADDOCK	POLLOCK	WHITING
	CENTS PER POUND							
1979								
JANUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
FEBRUARY	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MARCH	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
APRIL	117.0	120.0	92.5	81.5	116.5	116.5	81.5	77.5
MAY	120.2	126.0	90.5	87.3	118.5	119.7	88.3	83.1
JUNE	121.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
JULY	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
AUGUST	122.0	127.5	90.0	90.0	119.0	120.5	90.0	84.5
SEPTEMBER	122.0	127.5	90.0	90.0	119.0	123.0	90.0	84.5
OCTOBER	122.0	127.5	90.0	90.0	119.0	130.5	90.0	86.5
NOVEMBER	124.0	137.0	100.5	(1)	122.0	134.0	91.5	89.5
DECEMBER	124.0	137.0	100.5	(1)	122.0	137.4	91.5	89.5
AVERAGE	120.4	126.5	92.6	86.3	118.6	122.7	87.3	83.1
1980								
JANUARY	124.0	136.9	99.5	99.5	121.8	138.4	91.6	90.5
FEBRUARY	126.0	136.5	95.5	99.5	122.5	138.0	92.0	94.5
MARCH	126.3	138.3	97.5	101.8	121.6	139.1	92.6	95.5
APRIL	127.0	143.5	102.5	108.5	119.0	142.0	92.5	97.0
MAY	126.5	143.5	100.9	108.5	120.0	142.4	93.3	97.3
JUNE	125.0	143.5	96.0	108.5	123.5	143.5	92.5	98.0
JULY	125.8	143.5	97.2	104.1	122.1	142.3	92.1	95.2
AUGUST	126.0	143.5	97.5	103.1	121.5	142.0	92.0	94.5
SEPTEMBER	126.0	143.5	97.9	103.5	121.5	142.0	92.0	94.5
OCTOBER	126.0	143.5	99.0	103.5	122.5	142.5	93.5	96.5
NOVEMBER	126.0	143.5	100.9	103.5	124.4	142.5	95.8	96.9
DECEMBER	131.5	141.5	105.5	103.5	131.0	139.0	102.0	96.0
AVERAGE	126.3	141.8	99.2	104.0	122.6	141.1	93.5	95.5
1981								
JANUARY	147.1	154.5	119.0	112.5	134.5	138.0	101.5	100.4
FEBRUARY	143.8	147.5	119.8	112.5	134.0	136.8	103.1	101.3
MARCH	140.5	140.5	122.0	112.5	133.5	135.5	105.5	102.0
APRIL	140.5	140.5	121.3	114.5	133.5	135.0	110.1	103.9
MAY	140.5	140.5	120.5	114.5	133.5	135.0	110.0	104.0
JUNE	140.3	140.5	120.3	114.5	133.5	133.8	109.5	102.8
JULY	139.5	140.5	119.5	114.5	133.5	132.5	108.0	100.0
AUGUST	139.0	139.3	115.5	111.3	132.0	132.5	106.8	99.5
SEPTEMBER	136.2	136.8	111.5	107.9	128.0	128.9	106.1	99.4
OCTOBER	132.0	135.0	111.5	107.5	121.5	120.5	107.0	100.0
NOVEMBER	132.4	135.4	111.5	107.5	125.3	125.0	107.0	100.0
DECEMBER								
AVERAGE								

(1) INSUFFICIENT QUOTES.

NOTE: PRICES TO PRIMARY WHOLESALERS AS QUOTED BY PRODUCERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

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TABLE A 1.--SUPPLY AND USE OF FROZEN FISH BLOCKS, MONTHLY, 1979-81
(PRODUCT WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	PRODUCTION	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	71.9	(1)	25.7	97.6	59.2	38.4
FEBRUARY	59.2	(1)	32.5	91.7	56.7	35.0
MARCH	56.7	0.1	26.9	83.7	41.8	41.9
1ST QTR	71.9	0.2	85.0	157.1	41.8	115.3
APRIL	41.8	0.1	31.7	73.5	40.3	33.2
MAY	40.3	(1)	38.1	78.4	42.1	36.3
JUNE	42.1	0.1	38.3	80.6	46.7	33.8
2ND QTR	41.8	0.3	108.1	150.1	46.7	103.4
JULY	46.7	0.1	36.9	83.7	61.2	22.5
AUGUST	61.2	0.1	46.9	108.2	74.0	34.2
SEPTEMBER	74.0	0.1	40.8	114.9	68.3	46.6
3RD QTR	46.7	0.3	124.5	171.6	68.3	103.3
OCTOBER	68.3	(1)	29.7	98.0	69.0	29.0
NOVEMBER	69.0	(1)	30.5	99.6	59.4	40.2
DECEMBER	59.4	(1)	30.4	89.8	62.5	27.3
4TH QTR	68.3	0.1	90.6	158.9	62.5	96.4
YEAR	71.9	0.8	408.2	480.9	62.5	418.4
1980						
JANUARY	62.5	0.1	26.2	88.7	53.9	34.8
FEBRUARY	53.9	0.1	19.9	74.0	44.3	29.6
MARCH	44.3	0.1	39.7	84.1	42.9	41.3
1ST QTR	62.5	0.3	85.8	148.6	42.9	105.7
APRIL	42.9	0.2	27.5	70.5	41.6	29.0
MAY	41.6	0.1	32.2	73.9	44.9	28.9
JUNE	44.9	(1)	32.8	77.8	42.7	35.1
2ND QTR	42.9	0.3	92.5	135.7	42.7	93.0
JULY	42.7	0.2	33.4	76.3	57.8	18.5
AUGUST	57.8	0.1	27.8	85.7	62.7	23.0
SEPTEMBER	62.7	0.1	30.2	92.9	57.6	35.3
3RD QTR	42.7	0.3	91.4	134.4	57.6	76.8
OCTOBER	57.6	0.1	24.1	81.8	50.4	31.5
NOVEMBER	50.4	0.1	25.0	75.5	46.2	29.3
DECEMBER	46.2	(1)	18.0	64.2	46.7	17.4
4TH QTR	57.6	0.2	67.1	124.9	46.7	78.2
YEAR	62.5	1.1	336.8	400.3	46.7	353.6
1981						
JANUARY	46.7	(1)	32.5	79.3	42.8	36.5
FEBRUARY	42.8	0.1	28.2	71.1	40.5	30.6
MARCH	40.5	0.1	35.4	76.0	41.7	34.4
1ST QTR	46.7	0.3	96.1	143.1	41.7	101.4
APRIL	41.7	0.1	30.6	72.3	37.5	34.8
MAY	37.5	0.2	33.3	71.0	37.8	33.2
JUNE	37.8	0.0	39.6	77.5	46.9	30.6
2ND QTR	41.7	0.3	103.5	145.5	46.9	98.6
JULY	46.9	(1)	26.7	73.6	56.0	17.6
AUGUST	56.0	(1)	21.9	78.0	49.0	29.0
SEPTEMBER	49.0	0.1	22.2	71.2	45.6	25.7
3RD QTR	46.9	0.1	70.8	117.8	45.6	72.3
OCTOBER	45.6	(1)	30.5	76.2	41.3	34.8
NOVEMBER	41.3					
DECEMBER						
4TH QTR						
YEAR						

(1) LESS THAN 50,000 POUNDS.

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
PRODUCTION: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

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TABLE A 4.--WHOLESALE PRICES FOR FROZEN FISH BLOCKS, MONTHLY, 1979-81

MONTH	COD	MINCED COD	FLOUNDER	HADDOCK	POLLOCK	ALASKA POLLOCK	WHITING
	CENTS PER POUND						
1979							
JANUARY	100.0	41.3	106.0	106.8	71.9	68.4	60.8
FEBRUARY	100.0	44.0	110.0	107.4	72.5	68.3	62.0
MARCH	100.0	46.8	111.3	109.3	73.0	69.3	63.8
APRIL	101.1	48.0	115.0	110.0	73.0	69.5	65.0
MAY	103.5	49.4	115.5	112.3	73.4	69.5	65.0
JUNE	106.5	51.9	119.4	115.0	74.0	69.0	66.6
JULY	106.5	52.5	126.7	115.0	73.5	69.0	67.0
AUGUST	106.5	53.5	130.0	115.0	73.0	69.0	67.4
SEPTEMBER	106.5	54.6	130.0	116.2	73.8	69.0	68.4
OCTOBER	106.5	54.8	135.0	122.5	73.4	68.9	68.8
NOVEMBER	105.0	54.0	140.0	123.8	72.3	69.0	75.3
DECEMBER	105.0	54.0	140.0	124.5	70.3	67.0	76.0
AVERAGE	103.9	50.4	123.2	114.8	72.8	68.8	67.2
1980							
JANUARY	105.0	54.0	140.0	125.0	69.8	67.0	76.2
FEBRUARY	105.0	53.0	137.5	125.0	69.0	67.0	77.0
MARCH	105.0	53.8	137.5	130.6	69.0	67.5	77.8
APRIL	105.0	54.0	137.5	131.9	69.0	66.5	78.0
MAY	105.0	54.0	136.3	130.8	69.0	66.5	77.8
JUNE	105.0	52.4	133.5	128.8	69.0	66.5	76.1
JULY	105.0	49.8	129.5	127.2	68.9	68.0	72.6
AUGUST	105.0	49.0	125.6	125.3	68.5	68.0	71.8
SEPTEMBER	105.0	49.5	125.0	124.6	68.5	68.1	69.0
OCTOBER	105.0	50.0	125.0	122.8	68.6	69.0	70.0
NOVEMBER	106.9	50.0	117.4	115.5	70.8	70.2	71.0
DECEMBER	110.2	52.0	115.0	113.5	73.8	72.0	71.8
AVERAGE	105.6	51.8	130.0	125.1	69.5	68.0	74.1
1981							
JANUARY	112.8	54.0	114.3	113.5	78.6	(1)	74.6
FEBRUARY	115.0	54.0	113.5	113.5	83.0	(1)	75.8
MARCH	116.0	54.0	113.5	113.5	85.5	85.3	76.0
APRIL	116.0	54.0	113.5	108.2	85.2	85.0	76.0
MAY	115.5	54.0	112.1	101.9	84.3	84.1	76.0
JUNE	111.0	53.7	110.5	100.0	84.0	83.5	75.3
JULY	107.2	52.7	110.0	98.5	84.0	81.2	74.1
AUGUST	102.3	48.5	100.6	95.0	81.0	79.1	73.0
SEPTEMBER	100.0	47.1	94.7	95.0	80.0	77.4	72.6
OCTOBER	100.0	46.5	91.5	95.0	80.0	76.5	73.0
NOVEMBER	107.3	47.3	93.1	96.5	78.8	76.5	72.8
DECEMBER							
AVERAGE							

(1) INSUFFICIENT QUOTES.

NOTE: PRICES TO PROCESSORS AS QUOTED BY PRODUCERS, IMPORTERS, AND BROKERS AT BOSTON, GLOUCESTER, AND NEW BEDFORD.
SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- NATIONAL MARINE FISHERIES SERVICE.

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Table A5.--U.S. imports of fish blocks, by species and country of origin, January-September, 1980 and 1981

Country	Cod		Haddock		Pollock		Whiting		Other		Total	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	Million pounds											
Canada	69.8	56.1	1.9	7.4	1.7	1.5	.1	1.2	22.3	23.9	95.8	90.1
Iceland	31.1	19.1	5.4	6.3	5.6	5.3	-	-	4.7	4.0	46.8	34.7
Rep. of Korea	3.9	4.0	-	-	24.8	25.3	2.7	1.1	.1	1.1	31.5	31.0
Denmark	5.7	17.2	5.3	4.0	.8	1.3	.8	.3	1.3	.8	13.9	23.6
Norway	5.0	9.5	11.4	10.5	1.1	1.5	-	-	1.0	1.2	18.5	22.7
Poland	2.9	2.0	-	-	8.5	13.6	2.0	-	.2	-	13.6	15.6
Greenland	9.5	10.4	-	-	.1	-	-	-	1.3	2.2	10.8	12.6
Argentina	-	-	-	-	-	(1)	12.8	7.6	.6	.4	13.4	8.0
Japan	3.3	4.2	.1	-	3.6	1.2	.7	.4	1.2	1.4	8.9	7.2
Other	.8	1.4	.4	.1	2.2	7.4	11.3	10.8	1.0	2.9	15.8	22.6
Total	132.0	123.8	24.5	28.3	48.4	57.0	30.4	21.3	33.7	37.8	269.0	268.2

(1) Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.
Source: U.S. Department of Commerce, Bureau of the Census.

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Table A.6 --U.S. imports of groundfish fillets, by species and country of origin, January-September, 1980 and 1981

Country	Cod		Flounder		Turbot		Cusk, haddock, hake and pollock		Ocean perch		Total	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	Million pounds											
Canada	40.3	60.7	20.1	36.3	8.6	10.5	15.4	19.8	16.0	30.3	100.4	157.7
Iceland	51.9	49.2	.1	(1)	1.6	.9	13.5	9.3	8.8	10.9	76.0	70.3
Japan	1.5	2.8	4.2	3.4	12.8	11.5	.5	1.4	-	-	19.0	19.2
Norway	5.2	3.7	-	-	(1)	(1)	5.0	3.6	.2	.1	10.4	7.5
Denmark	3.5	3.2	.3	.2	-	-	3.6	2.3	.1	(1)	7.5	5.8
Other	1.7	2.6	1.8	1.7	.7	.3	.9	.6	.5	.2	5.5	5.3
Total	104.1	122.3	26.5	41.7	23.7	23.2	38.9	37.0	25.6	41.5	218.8	265.7

(1) Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.
Source: U.S. Department of Commerce, Bureau of the Census.

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TABLE A 7.--SUPPLY AND USE OF FRESH AND FROZEN COD, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	21.7	1.6	6.6	29.9	22.1	7.8
FEBRUARY	22.1	1.0	11.1	34.1	18.4	15.7
MARCH	19.4	2.2	15.2	35.8	16.5	19.4
1ST QTR	21.7	4.8	32.8	59.4	16.5	42.9
APRIL	16.5	2.9	16.0	35.4	19.8	15.6
MAY	19.8	3.9	18.7	42.4	19.6	22.8
JUNE	19.6	4.0	12.8	36.4	23.2	13.2
2ND QTR	16.5	10.9	47.5	74.9	23.2	51.6
JULY	23.2	3.2	14.9	41.3	26.8	14.5
AUGUST	26.8	3.1	8.2	38.1	31.2	6.9
SEPTEMBER	31.2	2.7	16.8	50.7	30.4	20.3
3RD QTR	23.2	8.9	40.0	72.1	30.4	41.8
OCTOBER	30.4	2.5	4.9	37.8	29.2	8.6
NOVEMBER	29.2	2.6	8.3	40.2	27.1	13.1
DECEMBER	27.1	1.6	11.1	39.8	24.0	15.8
4TH QTR	30.4	6.8	24.3	61.5	24.0	37.5
YEAR	21.7	31.4	144.7	197.8	24.0	173.8
1980						
JANUARY	24.0	1.9	12.4	38.3	25.2	13.1
FEBRUARY	25.2	2.4	7.5	35.1	20.4	14.8
MARCH	20.4	2.2	14.8	37.4	21.3	16.1
1ST QTR	24.0	6.6	34.7	65.3	21.3	43.9
APRIL	21.3	3.7	10.9	35.9	23.8	12.1
MAY	23.8	4.9	13.5	42.3	24.9	17.4
JUNE	24.9	4.3	13.6	42.8	26.1	16.7
2ND QTR	21.3	13.0	38.0	72.3	26.1	46.2
JULY	26.1	4.0	12.2	42.3	25.8	16.5
AUGUST	25.8	3.2	8.4	37.4	28.7	8.8
SEPTEMBER	28.7	3.4	10.8	42.9	26.0	16.9
3RD QTR	26.1	10.7	31.4	68.2	26.0	42.2
OCTOBER	26.0	3.0	12.0	41.0	20.7	20.3
NOVEMBER	20.7	1.9	7.6	30.2	20.1	10.1
DECEMBER	20.1	1.6	7.7	29.4	19.7	9.7
4TH QTR	26.0	6.4	27.3	59.8	19.7	40.1
YEAR	24.0	36.7	131.4	192.1	19.7	172.4
1981						
JANUARY	19.7	1.5	9.4	30.6	20.9	9.7
FEBRUARY	20.9	2.7	14.5	38.1	20.3	17.8
MARCH	20.3	2.5	21.4	44.2	23.3	20.8
1ST QTR	19.7	6.7	45.3	71.6	23.3	48.3
APRIL	23.3	2.9	7.0	33.3	17.5	15.8
MAY	17.5	4.3	19.1	40.9	17.5	23.4
JUNE	17.5	4.0	13.9	35.4	18.5	16.9
2ND QTR	23.3	11.2	40.0	74.5	18.5	56.0
JULY	18.5	3.3	12.3	34.1	21.2	12.9
AUGUST	21.2	2.6	11.6	35.4	21.4	14.0
SEPTEMBER	21.4		13.2		20.3	
3RD QTR	18.5		37.0		20.3	
OCTOBER	20.3		11.6		19.0	
NOVEMBER	19.0					
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: NMFS, FOR MAINE THROUGH VIRGINIA, EXCLUDING NEW HAMPSHIRE, CONNECTICUT, AND DELAWARE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

BEST DOCUMENT AVAILABLE

TABLE A 8.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF COD, MONTHLY, 1976-80

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	- CENTS PER POUND -												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	32.8	31.5	29.3	22.3	16.0	15.2	17.4	22.7	32.3	32.2	26.2	28.3	22.9
1978	30.1	23.4	35.6	21.1	17.6	16.8	27.1	27.5	29.5	24.0	27.9	43.3	25.1
1979	39.5	55.4	33.5	27.8	21.4	21.5	26.9	28.3	30.5	35.2	29.1	47.2	30.3
1980	45.1	34.4	37.5	22.6	18.5	20.9	24.0	27.5	25.9	32.4	38.0	42.3	28.4
1981	46.8	33.3	41.9	38.2	22.8	27.9	31.2	39.5					
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	80.8	89.0	90.4	92.8	95.6	93.6	92.1	90.9	89.5	90.0	93.4	94.9	91.1
1978	95.0	95.0	95.0	91.8	90.0	90.0	89.5	88.4	88.0	88.0	88.0	87.5	90.5
1979	87.4	93.5	97.5	100.4	96.0	89.5	83.0	80.3	80.3	84.5	85.0	85.0	88.5
1980	85.0	86.5	88.3	86.0	82.3	81.0	81.0	82.3	92.5	100.0	100.0	108.3	89.4
1981	117.5	117.5	117.5	115.5	115.0	106.6	100.5	97.5	98.0	101.3	103.8		
WHOLESALE PRICE, FROZEN FILLETS (ICELANDIC, 5-LB. BONELESS) (3)													
1977	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	130.0	130.0	130.0	130.0	126.7
1978	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
1979	145.0	145.0	145.0	145.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	155.0
1980	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0
1981	160.0	160.0	160.0	160.0	167.5	180.0	180.0	180.0	180.0	180.0	180.0		
WHOLESALE PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1977	192.5	186.9	174.5	158.1	129.4	175.6	141.9	153.5	178.1	185.6	167.5	174.4	168.2
1978	192.5	167.5	183.0	161.9	145.0	143.8	178.8	183.0	180.6	168.8	182.0	243.8	177.5
1979	217.5	256.3	185.0	189.4	155.5	153.1	171.3	177.0	179.4	190.0	178.8	230.6	190.3
1980	230.0	206.9	223.8	177.0	152.5	166.9	170.0	186.9	172.5	185.0	211.3	224.5	192.3
1981	283.1	214.4	234.4	224.5	180.0	185.0	190.5	218.8	235.0	228.8	213.8		
RETAIL PRICE, FROZEN FILLETS (5)													
1977	149.0	148.0	150.0	162.0	164.0	165.0	167.0	172.0	179.0	182.0	174.0	174.0	165.5
1978	171.0	173.0	182.0	182.0	184.0	183.0	180.0	184.0	186.0	188.0	187.0	190.0	182.5
1979	186.0	193.0	194.0	193.0	195.0	203.0	195.0	202.0	198.0	203.0	211.0	207.0	198.3
1980	219.0	203.0	199.0	197.0	198.0	199.0	198.0	206.0	204.0	203.0	204.0	210.0	203.3
1981	208.0	206.0	220.0	220.0	215.0	218.0	222.0	223.0	216.0	218.0	222.0		
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (6)													
1977	251.8	251.0	253.0	269.1	246.5	246.0	237.8	238.0	263.5	262.8	257.0	257.8	252.8
1978	255.3	279.0	278.9	289.0	289.0	295.3	294.0	297.0	301.5	297.8	292.8	300.7	289.2
1979	295.0	325.3	330.3	329.0	296.5	296.5	292.8	292.8	292.8	305.0	304.0	300.7	305.0
1980	329.0	342.0	352.0	340.5	337.8	337.0	319.5	330.8	337.0	332.0	327.5	355.0	336.7
1981	393.8	409.5	410.4	382.3	399.5	381.2	376.5	376.5	374.0	389.0	-		

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS; ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: FISHERY MARKET NEWS REPORT, NEW YORK -- RESOURCE STATISTICS DIVISION, NMFS; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS AT NEW YORK CITY FULTON MARKET.
(5) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(6) SOURCE: RETAIL PRICE REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

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TABLE A 8.--SUPPLY AND USE OF FRESH AND FROZEN FLOUNDER, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	4.7	2.4	2.4	14.5	8.9	5.5
FEBRUARY	8.9	1.8	2.4	13.1	7.3	5.7
MARCH	7.3	3.7	2.3	13.3	5.6	7.7
1ST QTR	9.7	7.8	7.0	24.6	5.6	18.9
APRIL	5.6	3.8	2.5	12.1	5.1	7.0
MAY	5.1	3.9	2.9	11.9	5.8	6.1
JUNE	5.8	3.5	3.9	13.2	6.6	6.6
2ND QTR	5.6	11.2	9.5	26.3	6.6	19.7
JULY	6.6	3.3	3.7	13.6	7.1	6.5
AUGUST	7.1	3.2	5.6	15.9	8.4	7.5
SEPTEMBER	8.4	3.0	4.6	16.1	8.5	7.6
3RD QTR	6.6	9.6	13.9	30.1	8.5	21.6
OCTOBER	8.5	3.9	5.1	17.5	10.3	7.2
NOVEMBER	10.3	4.4	5.8	20.5	11.8	8.7
DECEMBER	11.8	3.1	4.9	19.8	12.7	7.1
4TH QTR	8.5	11.5	15.8	35.7	12.7	23.0
YEAR	9.7	40.1	46.2	95.9	12.7	83.2
1980						
JANUARY	12.7	3.4	1.7	17.8	12.5	5.4
FEBRUARY	12.5	3.3	1.1	16.8	10.8	6.1
MARCH	10.8	3.0	2.6	16.4	10.0	6.4
1ST QTR	12.7	9.7	5.4	27.8	10.0	17.8
APRIL	10.0	4.1	2.7	16.8	7.8	9.0
MAY	7.8	5.2	2.0	14.9	6.9	8.0
JUNE	6.9	3.8	5.0	15.8	7.6	8.2
2ND QTR	10.0	13.1	9.7	32.8	7.6	25.2
JULY	7.6	3.7	5.8	17.1	10.0	7.1
AUGUST	10.0	4.0	3.3	17.3	10.0	7.2
SEPTEMBER	10.0	4.0	2.4	16.4	9.3	7.1
3RD QTR	7.6	11.7	11.5	30.7	9.3	21.4
OCTOBER	9.3	3.8	3.9	17.1	9.5	7.5
NOVEMBER	9.5	3.7	4.6	17.9	11.1	6.8
DECEMBER	11.1	3.3	1.5	15.9	12.5	3.4
4TH QTR	9.3	10.9	10.0	30.2	12.5	17.7
YEAR	12.7	45.4	36.5	94.6	12.5	82.1
1981						
JANUARY	12.5	3.1	9.2	24.8	15.0	9.8
FEBRUARY	15.0	2.7	1.7	19.3	11.9	7.4
MARCH	11.9	3.9	3.2	19.0	11.2	7.8
1ST QTR	12.5	9.7	14.1	36.3	11.2	25.1
APRIL	11.2	4.4	3.8	19.4	12.3	7.0
MAY	12.3	5.1	5.1	22.5	14.7	7.8
JUNE	14.7	4.0	5.5	24.2	18.6	5.7
2ND QTR	11.2	13.5	14.3	39.0	18.6	20.5
JULY	18.6	3.3	4.3	26.2	18.3	7.9
AUGUST	18.3	3.2	4.1	25.6	23.7	1.9
SEPTEMBER	23.7		4.9		26.0	
3RD QTR	18.6		13.3		26.0	
OCTOBER	26.0		5.6		18.8	
NOVEMBER	18.8					
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: NMFS, FOR MAINE THROUGH VIRGINIA, EXCLUDING NEW HAMPSHIRE, CONNECTICUT, AND DELAWARE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

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TABLE A10.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF FLOUNDER, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	51.0	48.1	43.6	36.2	28.8	40.5	44.1	41.8	45.1	48.2	44.9	46.6	42.5
1978	61.3	54.6	66.1	38.4	35.1	37.9	58.6	56.0	68.4	63.3	50.7	60.1	51.8
1979	65.5	91.0	51.7	42.1	33.7	43.2	49.7	56.6	53.8	48.0	36.1	41.1	48.0
1980	52.5	52.6	68.1	34.3	27.9	33.8	39.0	43.3	36.2	45.8	46.9	43.3	42.2
1981	57.5	77.3	62.3	52.7	34.2	42.2	55.0	50.4					
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	111.9	114.0	113.2	113.8	116.0	116.4	119.5	119.7	118.1	117.0	119.6	120.6	116.7
1978	118.4	116.9	119.2	119.5	120.6	-	131.0	131.0	131.0	134.0	134.0	134.0	126.3
1979	137.0	140.4	143.4	144.5	144.5	148.0	149.0	149.4	154.3	155.5	155.5	155.5	148.1
1980	155.5	155.5	154.0	154.0	150.6	146.3	143.0	142.1	140.0	136.5	130.6	125.5	144.5
1981	123.8	122.5	117.5	117.5	117.5	119.4	120.0	120.0	115.0	115.0	115.0		
RETAIL PRICE, FROZEN FILLETS (3)													
1977	196.0	196.0	196.0	199.0	200.0	197.0	197.0	203.0	207.0	210.0	201.0	209.0	200.9
1978	214.0	204.0	218.0	216.0	220.0	218.0	220.0	226.0	231.0	230.0	228.0	227.0	221.0
1979	231.0	246.0	239.0	249.0	259.0	260.0	264.0	263.0	271.0	264.0	276.0	279.0	258.4
1980	278.0	281.0	282.0	286.0	276.0	287.0	287.0	283.0	290.0	289.0	284.0	290.0	284.4
1981	278.0	290.0	288.0	285.0	284.0	290.0	283.0	284.0	285.0	293.0	293.0		
RETAIL PRICE, FRESH FILLETS, AT NEW YORK CITY (4)													
1977	332.3	347.8	329.1	342.9	309.3	317.5	307.5	320.0	324.5	346.6	346.6	356.6	331.6
1978	363.4	392.9	390.0	393.0	382.0	367.3	397.3	393.3	416.6	415.3	410.5	431.0	396.5
1979	467.6	479.0	436.0	409.0	402.8	392.8	386.5	367.9	384.9	381.0	364.0	389.7	404.3
1980	391.5	380.3	395.3	419.8	372.8	403.8	404.5	417.0	415.8	420.8	412.5	402.3	403.0
1981	486.3	493.3	505.0	469.3	474.5	446.2	454.0	455.3	448.0	425.7	-		

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: RETAIL PRICE WATCH REPORT, NEW YORK MARKET INFORMATION SERVICE; AVERAGE MONTHLY PRICE FOR DOMESTIC FILLETS.

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TABLE XII.--SUPPLY AND USE OF SMOKED FILLETS, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	14.1	-	2.2	16.3	12.0	4.2
FEBRUARY	12.0	-	0.9	13.0	10.3	2.6
MARCH	10.3	-	1.2	11.6	7.1	4.5
1ST QTR	14.1	-	4.3	18.4	7.1	11.3
APRIL	7.1	-	2.3	9.4	6.5	2.9
MAY	6.5	-	1.5	8.0	5.8	2.2
JUNE	5.8	-	2.5	8.3	5.3	3.0
2ND QTR	7.1	-	6.3	13.4	5.3	8.1
JULY	5.3	-	3.0	8.3	6.1	2.2
AUGUST	6.1	-	6.7	12.8	8.5	4.4
SEPTEMBER	6.5	-	6.7	13.2	10.2	5.1
3RD QTR	5.3	-	16.5	21.8	10.2	11.6
OCTOBER	10.2	-	4.1	14.3	10.5	3.7
NOVEMBER	10.5	-	2.3	12.9	10.5	2.4
DECEMBER	10.5	-	1.4	11.9	9.1	2.8
4TH QTR	10.2	-	7.8	18.0	9.1	8.9
YEAR	14.1	-	35.0	49.1	9.1	40.0
1980						
JANUARY	9.1	-	1.5	10.6	7.1	3.4
FEBRUARY	7.1	-	1.6	8.7	4.7	4.0
MARCH	4.7	-	2.2	6.9	3.5	3.4
1ST QTR	9.1	-	5.2	14.3	3.5	10.8
APRIL	3.5	-	1.5	5.0	2.9	2.1
MAY	2.9	-	1.5	4.4	2.2	2.2
JUNE	2.2	-	2.5	4.7	2.0	2.7
2ND QTR	3.5	-	5.5	9.0	2.0	7.0
JULY	2.0	-	3.9	6.0	3.7	2.3
AUGUST	3.7	-	5.0	8.7	3.5	5.2
SEPTEMBER	3.5	-	4.0	7.5	4.0	3.5
3RD QTR	2.0	-	13.0	15.0	4.0	11.0
OCTOBER	4.0	-	5.8	9.8	4.7	5.2
NOVEMBER	4.7	-	4.2	8.8	5.1	3.8
DECEMBER	5.1	-	1.4	6.5	3.4	3.1
4TH QTR	4.0	-	11.4	15.4	3.4	12.0
YEAR	9.1	-	35.0	44.1	3.4	40.8
1981						
JANUARY	3.4	-	1.8	5.2	3.5	1.7
FEBRUARY	3.5	-	0.6	4.1	2.4	1.7
MARCH	2.4	-	0.8	3.2	2.0	1.1
1ST QTR	3.4	-	3.2	6.5	2.0	4.5
APRIL	2.0	-	1.2	3.3	2.1	1.1
MAY	2.1	-	2.1	4.3	1.8	2.4
JUNE	1.8	-	2.5	4.4	1.9	2.4
2ND QTR	2.0	-	5.9	7.9	1.9	6.0
JULY	1.9	-	4.6	6.6	2.3	4.2
AUGUST	2.3	-	5.7	8.0	2.4	5.6
SEPTEMBER	2.4	-	3.9	6.3	4.6	1.7
3RD QTR	1.9	-	14.2	10.1	4.6	11.5
OCTOBER	4.6	-	3.2	7.8	4.3	3.4
NOVEMBER	4.3	-				
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

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TABLE A12.--WHOLESALE AND RETAIL PRICES OF TURBOT, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (1)													
1977	72.8	71.4	72.6	74.3	84.0	94.0	90.9	91.3	92.1	93.5	91.2	92.9	85.1
1978	92.8	92.0	96.5	94.3	94.9	95.9	97.0	96.2	94.9	96.0	95.6	95.5	95.1
1979	95.8	95.0	96.0	96.0	97.0	95.8	95.6	95.5	95.5	94.7	94.0	94.8	95.5
1980	95.8	96.0	94.0	93.8	92.8	91.8	92.6	92.3	93.4	95.0	93.6	94.8	93.8
1981	95.3	95.0	96.7	-	103.5	-	-	105.0	105.0	105.4	110.0		
WHOLESALE PRICE, FROZEN FILLETS (JAPANESE, 25-LB. IQF) (2)													
1977	71.1	73.0	76.7	81.5	94.0	100.5	102.5	103.4	104.8	103.5	101.3	99.5	92.6
1978	104.2	105.8	104.5	-	-	102.8	103.5	101.8	100.6	98.3	97.0	96.8	101.5
1979	96.5	98.4	101.5	103.0	103.0	103.0	103.0	103.0	103.8	102.0	102.0	100.0	101.6
1980	100.0	110.0	101.5	101.5	-	99.0	99.0	107.3	108.0	109.0	111.3	112.5	105.4
1981	112.5	120.6	123.5	123.5	123.5	120.5	123.5	123.0	122.5	125.0	128.1		
RETAIL PRICE, FROZEN FILLETS (3)													
1977	113.0	113.0	110.0	115.0	120.0	131.0	138.0	132.0	142.0	147.0	155.0	157.0	131.1
1978	148.0	150.0	154.0	160.0	160.0	159.0	154.0	157.0	162.0	162.0	160.0	157.0	156.9
1979	160.0	155.0	167.0	161.0	169.0	173.0	184.0	181.0	175.0	181.0	164.0	171.0	170.1
1980	170.0	169.0	174.0	175.0	181.0	181.0	180.0	175.0	176.0	175.0	182.0	188.0	177.2
1981	187.0	194.0	191.0	193.0	209.0	206.0	206.0	205.0	208.0	205.0	215.0		

(1) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

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TABLE A13.--SUPPLY AND USE OF FRESH AND FROZEN HADDOCK, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	6.3	1.0	1.5	8.7	5.3	3.4
FEBRUARY	5.3	0.8	3.2	9.3	3.4	5.9
MARCH	3.4	1.0	4.5	8.9	3.3	5.6
1ST QTR	6.3	2.8	9.1	18.2	3.3	14.9
APRIL	3.3	1.4	2.6	7.3	3.9	3.4
MAY	3.9	1.7	2.3	7.9	3.8	4.1
JUNE	3.8	1.6	2.2	7.6	3.3	4.3
2ND QTR	3.3	4.7	7.1	15.1	3.3	11.8
JULY	3.3	1.4	3.0	7.7	3.2	4.5
AUGUST	3.2	1.3	2.0	6.5	4.2	2.4
SEPTEMBER	4.2	1.2	4.1	9.4	4.1	5.3
3RD QTR	3.3	3.9	9.2	16.3	4.1	12.2
OCTOBER	4.1	1.1	2.5	7.6	4.6	3.1
NOVEMBER	4.6	1.2	2.1	7.9	4.6	3.3
DECEMBER	4.6	0.7	1.8	7.0	4.4	2.7
4TH QTR	4.1	2.9	6.4	13.4	4.4	9.0
YEAR	6.3	14.3	31.7	52.3	4.4	47.9
1980						
JANUARY	4.4	1.0	1.9	7.3	5.1	2.2
FEBRUARY	5.1	1.3	2.1	8.5	3.6	4.9
MARCH	3.6	1.4	5.0	10.0	4.2	5.8
1ST QTR	4.4	3.7	9.1	17.1	4.2	12.9
APRIL	4.2	2.0	2.1	8.3	4.6	3.7
MAY	4.6	2.3	1.7	8.5	5.2	3.3
JUNE	5.2	1.5	2.9	9.6	5.5	4.1
2ND QTR	4.2	5.8	6.6	16.6	5.5	11.1
JULY	5.5	1.9	2.7	10.2	5.8	4.4
AUGUST	5.8	1.7	2.2	9.6	7.0	2.6
SEPTEMBER	7.0	2.0	2.5	11.5	6.7	4.9
3RD QTR	5.5	5.5	7.4	18.5	6.7	11.7
OCTOBER	6.7	1.4	1.9	10.1	7.4	2.7
NOVEMBER	7.4	1.1	1.7	10.2	8.3	1.9
DECEMBER	8.3	1.0	2.3	11.6	7.7	4.0
4TH QTR	6.7	3.5	6.0	16.2	7.7	8.5
YEAR	4.4	18.5	29.1	51.9	7.7	44.3
1981						
JANUARY	7.7	1.3	1.2	10.2	6.7	3.4
FEBRUARY	6.7	1.9	2.8	11.5	5.0	6.5
MARCH	5.0	1.3	4.3	10.7	5.3	5.3
1ST QTR	7.7	4.5	8.4	20.6	5.3	15.2
APRIL	5.3	1.5	1.7	8.5	5.2	3.3
MAY	5.2	2.2	3.0	10.4	6.1	4.3
JUNE	6.1	2.2	2.1	10.3	5.6	4.7
2ND QTR	5.3	5.9	6.7	18.0	5.6	12.3
JULY	5.6	1.8	2.2	9.7	5.8	3.9
AUGUST	5.8	1.7	1.9	9.4	5.3	4.1
SEPTEMBER	5.3		2.9		6.5	
3RD QTR	5.6		7.0		6.5	
OCTOBER	6.5		3.1		5.4	
NOVEMBER	5.4					
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: NMFS, FOR MAINE THROUGH VIRGINIA, EXCLUDING NEW HAMPSHIRE, CONNECTICUT, AND DELAWARE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS. ESTIMATED FROM THE CATEGORY THAT ALSO INCLUDES CUSK, HAKE, AND POLLOCK.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

TABLE A14.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF HADDOCK, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
						CENTS PER POUND							
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	42.5	36.0	43.6	38.7	28.6	28.0	25.5	31.3	33.4	30.8	30.3	34.4	32.4
1978	37.7	27.2	41.1	31.5	26.9	23.0	31.2	32.9	36.2	34.2	33.5	59.7	32.0
1979	45.0	60.2	42.3	36.1	33.4	31.5	41.2	38.7	43.1	49.7	44.6	62.8	41.9
1980	63.9	49.1	53.7	30.7	24.6	35.5	31.4	23.6	31.3	39.7	47.7	54.1	38.0
1981	50.1	35.9	51.4	51.9	29.0	31.4	36.5	39.8					
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	103.9	-	-	105.5	105.5	105.4	105.0	105.0	104.2	105.4	105.0	105.0	105.0
1978	105.0	104.5	103.8	103.0	103.3	103.5	103.5	102.6	99.0	99.0	99.0	99.0	102.1
1979	99.0	-	-	-	-	110.0	110.0	110.2	112.0	118.0	120.8	120.6	112.6
1980	122.5	125.0	125.0	-	134.1	125.0	125.0	125.0	124.4	122.5	122.9	-	125.1
1981	117.8	120.0	116.7	116.5	112.0	106.9	100.0	93.8	95.0	100.8	104.4		
WHOLESALE PRICE, FRESH FILLETS, AT BOSTON (3)													
1977	203.3	138.8	188.1	171.9	131.0	125.0	110.0	136.9	135.0	126.0	130.6	161.7	146.5
1978	150.0	120.0	168.8	155.0	122.5	133.3	157.5	155.0	151.9	141.5	149.4	237.5	153.5
1979	201.0	238.1	183.1	169.0	158.1	144.4	181.5	166.9	176.9	205.0	184.4	211.3	185.0
1980	240.0	192.5	211.0	146.9	148.1	155.5	138.8	141.7	138.0	159.4	173.1	197.5	170.2
1981	214.4	151.9	213.5	253.1	150.0	146.9	134.4	152.5	179.4	206.9	191.0		
RETAIL PRICE, FROZEN FILLETS (4)													
1977	172.0	178.0	178.0	183.0	181.0	181.0	185.0	192.0	197.0	192.0	195.0	195.0	185.8
1978	193.0	196.0	196.0	202.0	203.0	205.0	207.0	210.0	213.0	215.0	216.0	217.0	206.1
1979	213.0	215.0	217.0	219.0	222.0	227.0	226.0	231.0	235.0	243.0	258.0	244.0	229.2
1980	254.0	263.0	259.0	260.0	252.0	258.0	254.0	266.0	261.0	265.0	269.0	271.0	261.0
1981	259.0	263.0	264.0	258.0	257.0	262.0	264.0	265.0	259.0	259.0	260.0		

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: BOSTON MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

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TABLE A15.--SUPPLY AND USE OF FRESH AND FROZEN OCEAN PERCH, MONTHLY, 1979-81
(FILLET WEIGHT)

MONTH	SUPPLY				USE	
	BEGINNING STOCKS	LANDINGS	IMPORTS	TOTAL	ENDING STOCKS	APPARENT CONSUMPTION
	MILLION POUNDS					
1979						
JANUARY	11.5	0.7	2.6	14.7	9.8	5.0
FEBRUARY	9.8	0.6	2.2	12.5	6.4	6.1
MARCH	6.4	1.0	2.1	9.5	4.0	5.5
1ST QTR	11.5	2.3	6.8	20.6	4.0	16.5
APRIL	4.0	1.0	2.7	7.7	4.4	3.3
MAY	4.4	1.4	3.3	9.1	5.5	3.7
JUNE	5.5	1.1	3.1	9.7	5.9	3.8
2ND QTR	4.0	3.5	9.1	16.6	5.9	10.7
JULY	5.9	0.8	5.8	12.5	7.0	5.5
AUGUST	7.0	1.0	6.0	14.0	11.0	2.9
SEPTEMBER	11.0	0.6	7.6	19.1	13.8	5.3
3RD QTR	5.9	2.4	19.3	27.5	12.8	14.7
OCTOBER	12.8	1.0	7.0	20.8	16.0	4.7
NOVEMBER	16.0	0.7	5.9	22.6	18.4	4.2
DECEMBER	18.4	0.4	4.8	23.5	19.4	4.1
4TH QTR	12.8	2.0	17.6	32.5	19.4	13.1
YEAR	11.5	10.2	52.8	76.5	19.4	55.1
1980						
JANUARY	19.4	0.2	2.1	21.7	16.3	5.4
FEBRUARY	16.3	0.6	1.1	17.9	15.8	2.1
MARCH	15.8	0.5	5.3	21.6	13.6	8.1
1ST QTR	19.4	1.0	8.7	29.1	13.6	15.5
APRIL	13.6	0.7	1.7	15.9	12.6	3.3
MAY	12.6	0.6	2.4	15.6	12.0	3.6
JUNE	12.0	1.0	3.2	15.2	8.8	6.6
2ND QTR	13.6	2.3	6.3	22.1	8.8	13.3
JULY	8.8	0.9	2.5	12.3	9.1	3.2
AUGUST	9.1	0.9	3.4	13.3	9.6	3.8
SEPTEMBER	9.6	0.8	4.7	15.1	8.9	6.2
3RD QTR	8.8	2.7	10.6	22.1	8.9	13.2
OCTOBER	8.9	0.5	4.6	14.0	8.9	5.1
NOVEMBER	8.9	0.4	5.0	14.2	8.6	5.6
DECEMBER	8.6	0.2	3.2	12.0	8.7	3.3
4TH QTR	8.9	1.1	12.8	22.8	8.7	14.1
YEAR	19.4	7.1	38.4	64.8	8.7	56.1
1981						
JANUARY	8.7	0.3	3.9	13.0	7.4	5.5
FEBRUARY	7.4	0.4	2.3	10.2	4.8	5.4
MARCH	4.8	0.5	3.9	9.1	3.8	5.3
1ST QTR	8.7	1.2	10.1	20.0	3.8	16.2
APRIL	3.8	0.4	2.5	6.7	2.6	4.2
MAY	2.6	0.2	3.3	5.9	2.4	3.6
JUNE	2.4	0.6	6.4	9.5	4.1	5.3
2ND QTR	3.8	1.2	12.2	17.3	4.1	13.1
JULY	4.1	1.0	7.0	12.1	9.3	2.8
AUGUST	9.3	0.7	6.9	17.0	12.2	4.7
SEPTEMBER	12.2		5.3		12.8	
3RD QTR	4.1		19.2		12.8	
OCTOBER	12.8		6.1		12.0	
NOVEMBER	12.0					
DECEMBER						
4TH QTR						
YEAR						

SOURCES: STOCKS: FROZEN FISHERY PRODUCTS, NATIONAL MARINE FISHERIES SERVICE.
LANDINGS: NMFS, FOR MAINE THROUGH VIRGINIA, EXCLUDING NEW HAMPSHIRE, CONNECTICUT, AND DELAWARE.
IMPORTS: DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS.

NOTE: DATA ARE PRELIMINARY. FIGURES MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

BEST DOCUMENT AVAILABLE

TABLE A16.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF OCEAN PERCH, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	CENTS PER POUND												
EXVESSEL PRICE, AT MAJOR NEW ENGLAND PORTS (1)													
1977	15.3	15.5	15.3	16.2	15.0	15.3	15.2	15.2	15.3	15.7	15.4	15.9	15.3
1978	16.6	17.1	18.1	17.1	16.8	15.7	16.6	17.0	17.0	17.9	18.0	19.4	17.1
1979	20.6	24.4	22.3	21.5	19.3	16.4	20.4	20.7	21.2	21.4	21.1	23.7	20.7
1980	26.0	26.4	29.5	24.8	22.9	22.0	20.8	19.7	20.2	22.6	27.1	28.7	23.0
1981	32.5	32.2	33.1	33.2	31.8	31.6	24.2	23.4					
WHOLESALE PRICE, FROZEN FILLETS (CANADIAN, 5-LB. PACKAGE) (2)													
1977	92.0	92.0	92.0	92.0	92.5	92.7	94.0	94.0	93.8	93.8	94.4	94.0	93.1
1978	94.8	96.3	97.0	98.0	98.3	99.0	99.0	99.4	99.4	99.5	98.2	98.0	98.1
1979	98.0	99.0	103.8	105.0	106.5	107.5	110.0	110.0	110.0	110.0	110.0	110.0	106.7
1980	110.0	110.0	110.0	-	110.0	102.5	94.0	94.0	94.7	95.0	95.0	104.5	101.8
1981	100.0	96.3	96.3	95.0	95.6	100.0	105.0	105.0	100.0	106.0	106.0		
RETAIL PRICE, FROZEN FILLETS (3)													
1977	163.0	159.0	161.0	159.0	163.0	166.0	172.0	168.0	170.0	165.0	169.0	169.0	165.3
1978	171.0	174.0	178.0	176.0	180.0	179.0	180.0	184.0	180.0	181.0	180.0	184.0	178.9
1979	184.0	188.0	192.0	194.0	201.0	207.0	213.0	210.0	211.0	216.0	214.0	216.0	203.8
1980	214.0	219.0	220.0	213.0	210.0	213.0	216.0	217.0	219.0	217.0	212.0	216.0	215.5
1981	217.0	218.0	208.0	214.0	219.0	216.0	214.0	213.0	209.0	215.0	225.0		

(1) SOURCE: PRODUCTION AND VALUE OF FISHERIES AT MAJOR NEW ENGLAND PORTS. ANNUAL AVERAGES ARE WEIGHTED.
(2) SOURCE: FISHERY MARKET NEWS REPORT, BOSTON -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

BEST DOCUMENT AVAILABLE

TABLE A17.--WHOLESALE PRICES OF CANNED SALMON, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	- DOLLARS PER CASE -												
RED (SOCKEYE), 48 TALLS (1-LB. CANS)													
1977	84.75	85.50	87.00	87.50	87.50	87.50	88.10	89.00	91.50	93.00	92.50	92.00	88.82
1978	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.00	92.50	94.00	94.00	94.00	92.54
1979	94.00	94.00	94.00	95.50	96.00	96.00	96.00	101.50	106.33	106.00	106.25	107.67	99.44
1980	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	109.00	108.40	109.00	109.00	108.28
1981	110.60	111.00	111.00	111.00	111.00	111.00	111.00	111.00	114.00	112.20	111.13		
RED (SOCKEYE), 48 1/2-LB. CANS													
1977	55.00	55.50	57.00	56.80	56.38	57.50	57.70	58.00	58.50	59.00	59.00	59.00	57.45
1978	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.38	60.50	60.50	60.50	59.41
1979	60.50	60.50	60.50	60.75	60.50	60.50	60.50	64.50	68.00	68.00	69.88	69.50	63.64
1980	69.50	69.50	69.50	69.50	69.50	71.50	71.50	71.50	71.63	72.80	73.00	73.67	71.09
1981	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	75.50	74.40	75.00		
PINK, 48 TALLS (1-LB. CANS)													
1977	63.00	63.00	64.00	65.00	66.50	66.50	67.10	68.60	69.00	69.00	67.50	66.00	67.02
1978	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	65.00	62.00	63.25	64.00	65.19
1979	64.00	64.00	64.00	66.25	67.75	70.00	70.00	72.00	74.00	74.00	75.25	78.00	69.94
1980	76.50	76.00	76.00	77.50	78.00	78.00	78.00	78.00	80.25	80.00	80.25	80.75	78.27
1981	85.00	86.00	86.00	86.00	86.00	86.00	86.00	86.00	84.38	82.10	81.50		
CHUM, 48 TALLS (1-LB. CANS)													
1977	59.00	58.75	58.00	58.40	59.00	59.00	59.00	59.00	60.50	61.00	58.75	57.50	58.99
1978	57.50	57.50	57.50	57.00	57.00	57.00	57.00	57.00	57.25	58.00	58.00	58.00	57.40
1979	58.00	58.00	58.00	59.50	60.00	60.00	60.00	62.50	66.33	67.00	69.63	69.67	62.39
1980	70.00	70.00	70.00	70.00	70.00	70.00	70.00	70.00	74.25	74.25	74.25	74.08	71.40
1981	74.00	74.00	74.00	74.00	74.00	74.00	74.00	74.00	73.25	72.90	72.50		

SOURCE: FISHERY MARKET NEWS REPORT, SEATTLE -- RESOURCE STATISTICS DIVISION, NMFS; AVERAGE OF THE WEEKLY PRICES REPORTED BY SEATTLE BROKERS AND CANNERS FOR TOP QUALITY STOCKS ONLY.

BEST DOCUMENT AVAILABLE

TABLE A18.--EXVESSEL, WHOLESALE, AND RETAIL PRICES OF SARDINES, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
EXVESSEL PRICE, MAINE SEA HERRING (1)													
	CENTS PER POUND												
1977	-	4.5	4.8	4.5	4.7	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
1978	4.9	5.0	5.0	5.3	5.7	5.8	5.8	5.8	5.5	5.5	5.1	6.0	5.7
1979	6.5	6.4	6.3	20.0	5.3	5.7	5.7	4.9	4.9	4.9	4.9	4.9	5.1
1980	19.0	-	-	15.0	5.0	5.3	5.3	5.6	5.5	5.6	5.6	-	5.5
1981	-	6.0	-	15.0	6.2	5.6	5.5	5.6					
WHOLESALE PRICE, CANNED MAINE SARDINES, AT NEW YORK CITY (2)													
	DOLLARS PER CASE												
1977	23.10	23.10	23.10	24.10	24.10	24.10	24.10	24.10	25.10	25.10	25.10	27.10	24.35
1978	27.10	27.10	28.10	28.10	30.10	30.10	30.10	32.10	32.10	32.10	32.10	32.10	30.10
1979	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10	32.10
1980	32.10	32.10	32.10	33.60	34.10	35.24	36.00	36.00	34.00	34.00	35.00	36.00	34.19
1981	36.00	36.00	36.00	36.00	37.00	38.00	38.00	38.00	38.00	42.00	42.00		
RETAIL PRICE, CANNED MAINE SARDINES (3)													
	CENTS PER CAN												
1977	35.6	36.6	34.9	35.6	35.9	35.6	36.3	36.8	36.8	37.3	37.3	37.5	36.3
1978	38.9	39.4	40.1	41.7	41.3	43.4	44.8	45.7	46.2	48.0	48.3	49.2	43.9
1979	50.6	49.2	49.0	49.0	49.7	48.8	48.8	49.5	49.2	48.8	48.8	49.2	49.2
1980	49.5	49.5	49.7	49.9	50.4	50.2	52.0	52.0	51.8	52.7	52.0	54.6	51.1
1981	56.7	55.3	57.0	55.3	56.0	55.1	55.3	54.6	55.1	56.0	56.3		
RETAIL PRICE, CANNED NORWAY SARDINES (4)													
	CENTS PER CAN												
1977	58.1	60.0	59.5	60.0	60.7	62.3	63.5	64.2	64.9	66.3	65.4	65.4	62.5
1978	65.9	65.4	66.8	68.7	69.1	69.6	69.4	69.4	68.9	68.7	69.4	69.8	68.4
1979	73.1	70.5	71.7	71.5	72.7	72.4	72.4	74.5	73.4	72.0	74.3	74.1	72.7
1980	74.1	72.2	74.3	77.6	80.2	83.2	85.8	85.5	88.1	88.6	89.8	92.3	82.6
1981	94.5	94.7	94.2	93.3	95.2	96.3	96.6	95.6	93.5	95.2	96.1		

(1) SOURCE: MAINE LANDINGS -- RESOURCE STATISTICS DIVISION, NMFS; BASED ON ROUND WEIGHT.
(2) SOURCE: NEW YORK MARKET NEWS OFFICE -- RESOURCE STATISTICS DIVISION, NMFS.
(3) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(4) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.

BEST DOCUMENT AVAILABLE

TABLE A19.--RECEIPTS OF DOMESTIC-CAUGHT TUNA AND BONITO BY U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1974-81

MONTH	RECEIPTS OF TUNA									RECEIPTS OF BONITO (2)
	CONTINENTAL U.S.					AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, GRAND TOTAL	
	ALBACORE	BLUEFIN	SKIPJACK	YELLOWFIN	TOTAL	SKIPJACK	YELLOWFIN (1)	TOTAL		
	SHORT TONS									
1974										
JANUARY	387	-	2,095	1,169	3,661	3,809	2,481	6,290	9,951	184
FEBRUARY	48	-	1,626	2,863	4,537	3,577	2,952	6,529	11,066	81
MARCH	136	-	5,235	14,736	20,107	3,519	2,433	5,952	26,059	7
1ST QTR	581	-	8,956	18,768	28,305	10,905	7,866	18,771	47,076	272
APRIL	507	-	12,042	14,395	26,944	2,125	767	2,892	29,836	-
MAY	442	268	5,188	11,006	16,904	6,914	3,448	10,367	27,271	31
JUNE	-	276	3,327	6,138	9,741	3,820	3,914	7,734	17,475	109
2ND QTR	949	544	20,557	31,539	53,589	12,864	8,129	20,993	74,582	140
JULY	20	1,705	7,370	12,569	22,264	2,365	1,835	4,220	26,484	580
AUGUST	1,449	2,015	3,614	9,289	16,368	552	58	610	16,978	159
SEPTEMBER	1,418	1,087	2,618	6,650	11,773	2,828	2,113	4,941	16,714	193
3RD QTR	2,887	4,808	14,202	28,508	50,405	5,745	4,026	9,771	60,176	929
OCTOBER	2,275	327	3,865	6,430	12,900	3,223	3,526	6,743	19,647	90
NOVEMBER	207	400	5,253	12,675	18,535	2,804	4,000	6,804	25,339	135
DECEMBER	11	44	1,927	7,684	11,666	1,945	4,490	6,335	18,001	244
4TH QTR	2,486	771	13,045	26,789	43,101	7,972	12,016	19,886	62,987	469
YEAR	6,913	6,123	56,760	105,604	175,400	37,384	32,037	69,421	244,821	1,810
1980 (3)										
JANUARY	4	-	1,300	1,447	2,751	834	1,229	2,063	4,814	664
FEBRUARY	-	-	2,260	3,324	5,584	3,359	1,068	4,427	10,011	1,174
MARCH	11	-	4,176	8,264	12,451	3,641	3,312	6,953	19,404	1,326
1ST QTR	15	-	7,736	13,035	20,786	7,834	5,609	13,443	34,229	3,164
APRIL	-	-	15,136	19,216	34,352	2,695	2,067	4,763	39,115	806
MAY	-	-	12,058	7,113	19,171	3,577	3,423	7,000	26,171	93
JUNE	1	206	7,296	5,911	13,414	97	91	188	13,602	123
2ND QTR	1	206	34,490	32,240	66,937	6,370	5,581	11,951	78,888	1,028
JULY	298	562	11,576	7,928	20,364	390	304	694	21,058	918
AUGUST	1,505	647	8,758	11,126	22,036	2,336	1,018	3,354	25,390	197
SEPTEMBER	3,018	467	9,509	11,369	24,363	4,051	2,713	6,764	31,127	610
3RD QTR	4,821	1,676	29,843	30,423	66,763	6,777	4,035	10,812	77,575	1,635
OCTOBER	2,288	458	6,507	7,121	16,374	1,390	1,427	2,817	19,191	265
NOVEMBER	952	15	3,901	3,133	7,001	1,779	1,241	3,020	10,021	261
DECEMBER	64	-	5,806	10,304	16,174	3,961	3,593	7,554	23,728	134
4TH QTR	3,304	473	15,214	20,558	39,549	7,130	6,261	13,391	52,940	660
YEAR	8,141	2,355	87,283	96,256	194,035	28,111	21,486	49,597	243,632	6,487
1981 (3)										
JANUARY	2	-	677	2,779	3,458	502	2,496	2,998	6,456	98
FEBRUARY	21	-	932	2,527	3,480	1,111	3,729	4,840	8,320	-
MARCH	-	-	3,457	1,564	5,021	2,301	1,707	4,008	9,029	58
1ST QTR	23	-	5,066	6,870	11,959	3,914	7,932	11,846	23,805	156
APRIL	-	-	11,840	9,245	21,085	4,924	2,450	7,374	28,459	138
MAY	-	-	15,411	10,219	25,630	3,441	1,745	5,186	30,816	46
JUNE	6	1	7,936	7,534	15,477	3,764	2,632	6,396	21,873	261
2ND QTR	6	1	35,187	26,998	62,192	12,129	6,827	18,956	81,148	445
JULY	1,493	234	5,418	9,348	16,493	3,294	3,431	6,725	23,218	2,823
AUGUST	5,266	427	2,266	10,092	18,051	1,529	2,784	4,313	22,364	1,679
SEPTEMBER	4,286	130	2,457	8,382	15,255	2,947	3,583	6,530	21,785	851
3RD QTR	11,045	791	10,141	27,822	49,799	7,770	9,798	17,568	67,367	5,353
OCTOBER	2,441	17	3,014	7,196	12,668	3,367	6,156	9,523	22,191	40
NOVEMBER	515	-	1,964	5,241	7,720					409
DECEMBER										
4TH QTR										
YEAR										

(1) INCLUDES SMALL AMOUNTS OF ALBACORE AND BLUEFIN.
(2) RECEIPTS AT CONTINENTAL U.S. CANNERIES.
(3) PRELIMINARY.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

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TABLE A20.--TUNA AND BONITO PACK AT U.S. CANNERIES, INCLUDING AMERICAN SAMOA AND PUERTO RICO, 1979-81

MONTH	TUNA PACK									BONITO PACK
	CONTINENTAL U.S.			AMERICAN SAMOA, PUERTO RICO, AND HAWAII			TUNA, TOTAL			
	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	WHITE	LIGHT	TOTAL	
	THOUSAND STANDARD CASES									
1979										
JANUARY	51	832	913	248	1001	1249	329	1833	2162	7
FEBRUARY	51	461	512	365	1042	1407	426	1493	1919	3
MARCH	451	1306	1457	514	928	1442	665	2234	2899	-
1ST QTR	291	2599	2882	1127	2971	4098	1420	5560	6980	10
APRIL	86	1576	1662	355	884	1239	441	2460	2901	-
MAY	54	1138	1192	304	931	1235	358	2069	2397	2
JUNE	5	720	725	55	944	999	60	1664	1724	3
2ND QTR	145	3434	3579	714	2759	3443	859	6193	7022	5
JULY	2	1108	1110	366	1022	1388	368	2130	2498	18
AUGUST	86	1179	1265	400	801	1201	486	1980	2466	9
SEPTEMBER	145	890	1035	522	793	1315	667	1683	2350	8
3RD QTR	233	3177	3410	1288	2616	3904	1521	5793	7314	35
OCTOBER	175	892	1067	366	1249	1615	541	2141	2682	4
NOVEMBER	51	1206	1257	528	1039	1567	579	2245	2824	5
DECEMBER	78	472	550	141	926	1067	219	1998	2217	9
4TH QTR	304	3571	3874	835	3214	4049	1139	6384	7723	18
YEAR	975	12270	13245	3964	11530	15494	4939	23800	28739	68
1980										
JANUARY	29	421	449	226	864	1090	254	1285	1539	23
FEBRUARY	11	387	398	202	672	874	213	1059	1272	42
MARCH	122	867	989	416	774	1190	538	1639	2177	47
1ST QTR	161	1675	1836	844	2310	3154	1005	3983	4988	112
APRIL	67	1179	1246	266	592	858	333	2571	2904	29
MAY	33	1412	1445	246	985	1231	279	2397	2676	3
JUNE	59	1121	1180	332	741	1073	391	1862	2253	5
2ND QTR	159	4512	4671	844	2318	3162	1003	6830	7833	37
JULY	67	1490	1557	140	929	1069	227	2419	2646	33
AUGUST	106	1520	1626	498	1189	1687	604	2709	3313	4
SEPTEMBER	211	1333	1544	369	1436	1805	580	2769	3349	22
3RD QTR	404	4343	4747	1007	3554	4561	1411	7897	9308	59
OCTOBER	150	1238	1388	447	1088	1535	597	2296	2893	9
NOVEMBER	58	695	753	110	1118	1228	198	1783	1981	10
DECEMBER	35	1102	1137	1030	1579	2608	1065	2680	3745	4
4TH QTR	273	2975	3248	1587	3784	5371	1860	6759	8619	23
YEAR	997	13503	14503	4282	11966	16248	5279	25469	30748	231
1981										
JANUARY	48	490	538	147	1164	1311	195	1654	1849	3
FEBRUARY	20	426	446	317	850	1067	237	1276	1513	-
MARCH	112	521	633	375	1317	1392	487	1538	2025	2
1ST QTR	180	1437	1617	739	3031	3770	919	4468	5387	5
APRIL	85	1534	1619	526	1362	1888	611	2896	3507	5
MAY	194	1891	2085	222	709	931	415	2600	3016	2
JUNE	124	1323	1347	150	1286	1436	274	2539	2783	9
2ND QTR	403	4648	5051	898	3357	4255	1301	8035	9306	16
JULY	88	1320	1408	472	1335	1807	560	2355	2915	99
AUGUST	367	732	1099	264	1172	1436	631	1904	2535	59
SEPTEMBE	243	658	901	707	1167	1874	950	1825	2775	30
3RD QTR	698	2410	3108	1443	3674	5117	2141	6084	8225	188
OCTOBER	144	593	737	184	1271	1455	328	1864	2192	1
NOVEMBER	49	444	493							14
DECEMBER										
4TH QTR										
YEAR										

(1) PRELIMINARY. REVISED ANNUAL DATA, PUBLISHED IN FISHERIES OF THE UNITED STATES, 1980, WERE USED IN THE TEXT OF THIS REPORT.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

BEST DOCUMENT AVAILABLE

TABLE A21.--EXVESSEL PRICES OF TUNA, MONTHLY, 1977-81 (1)

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
	DOLLARS PER TON												
ALBACORE													
1977	1000	1000	1000	1000	-	-	1165	1165	1165	1165	1165	1165	1099
1978	1165	1165	1165	1165	-	1220	1220	1220	1220	1220	1220	1220	1200
1979	1220	1220	1220	1220	1220	1220	-	1320	1320	1390	1390	1390	1285
1980	1390	-	1390	-	-	-	1610	1610	1610	1620	1635	1635	1563
1981	1635	1635	-	-	-	1900	1800	1800	1800	1800	1900		
BLUEFIN													
1977	-	-	-	-	765	772	777	800	830	800	830	907	790
1978	810	-	-	-	-	820	820	820	820	820	820	820	819
1979	820	-	-	-	852	849	866	894	930	930	930	930	889
1980	930	-	-	-	-	1180	1180	1180	1180	1180	1180	1180	1149
1981	1180	-	-	-	-	1180	1180	1180	1180	1180	1180		
SKIPJACK (2)													
1977	602	620	620	620	704	748	748	748	765	765	770	777	707
1978	783	790	790	790	790	790	790	790	790	790	790	773	788
1979	765	746	745	750	761	775	785	814	827	836	850	850	792
1980	943	1037	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1082
1981	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100		
YELLOWFIN (2)													
1977	539	665	665	665	755	797	803	803	820	820	823	828	757
1978	833	840	840	840	840	840	840	840	840	840	840	840	839
1979	840	840	845	851	861	875	885	914	927	936	950	950	890
1980	1075	1137	1203	1200	1200	1200	1200	1200	1200	1200	1200	1200	1184
1981	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200		

(1) MIDPOINTS OF PRICE RANGES RECEIVED FROM CALIFORNIA CANNERS.
(2) PREMIUM GRADE.

SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CALIFORNIA -- RESOURCE STATISTICS DIVISION, NMFS.

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TABLE A22.--CANNED TUNA WHOLESALE AND RETAIL PRICES, MONTHLY, 1977-81

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVERAGE
WHOLESALE PRICE -- ADVERTISED LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN WATER													
1977	39.00	39.00	39.00	39.00	39.00	39.00	39.00	39.75	40.50	40.50	41.78	42.00	39.79
1978	42.00	42.00	42.00	42.00	42.00	42.50	42.88	46.00	46.00	46.00	46.00	46.00	43.80
1979	46.00	46.00	46.00	46.50	47.25	48.00	48.00	48.20	50.00	50.00	50.00	50.00	48.00
1980	50.00	50.00	51.00	52.25	53.00	53.00	54.39	55.57	56.70	57.93	58.58	59.50	54.33
1981	60.50	60.50	60.50	60.75	61.50	61.50	61.60	62.00	62.25	62.50	62.50		
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S), IN OIL													
1977	29.50	29.50	29.50	29.50	30.25	33.00	33.00	33.00	33.00	33.00	33.75	34.00	31.75
1978	34.00	34.00	34.00	34.00	34.25	34.50	34.50	35.00	35.10	36.00	36.00	36.00	34.78
1979	36.00	36.00	36.00	36.25	36.63	37.00	38.00	38.20	40.00	40.00	40.00	41.00	37.92
1980	41.33	42.40	43.00	43.38	44.90	45.50	45.75	46.50	47.50	47.80	48.00	49.50	45.55
1981	50.00	50.00	50.00	50.00	50.00	50.00	50.20	51.00	51.00	51.00	51.00		
WHOLESALE PRICE -- PRIVATE LABELS (1)													
	DOLLARS PER CASE												
WHITE SOLID (NO. 1/2 -- 7 OZ. 48'S), IN OIL													
1977	37.50	37.50	37.50	37.50	37.50	37.50	37.50	38.62	39.00	39.00	39.00	39.00	38.09
1978	39.00	38.50	38.50	38.50	38.50	38.50	38.50	40.25	40.50	(3)	(3)	(3)	38.97
1979	40.33	39.50	39.50	40.31	41.25	41.25	41.25	41.45	42.25	42.50	43.45	43.75	41.40
1980	44.00	44.80	45.63	47.50	47.50	47.50	47.50	47.50	49.00	50.40	51.50	51.88	47.89
1981	52.25	52.25	52.50	53.63	53.75	53.75	53.80	54.00	54.00	53.90	53.75		
LIGHT CHUNK (NO. 1/2 -- 6-1/2 OZ. 48'S), IN OIL													
1977	22.50	22.50	22.88	26.80	28.00	29.50	29.50	29.50	29.50	29.50	29.50	29.30	27.41
1978	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.00	28.00	(3)	(3)	(3)	28.39
1979	27.83	27.75	28.00	28.25	28.50	28.70	30.00	30.20	31.00	31.13	31.90	33.00	29.69
1980	34.00	35.00	35.63	38.13	38.50	38.50	38.50	38.50	38.88	39.30	39.50	39.50	37.83
1981	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50	39.50		
RETAIL PRICE (2)													
	CENTS PER CAN												
WHITE SOLID (7-OZ. CAN)													
1977	95.4	98.0	98.0	98.4	99.3	97.6	100.6	100.6	101.9	101.9	102.4	105.4	100.0
1978	105.9	106.3	105.4	106.8	107.2	111.1	109.8	111.6	113.3	116.4	117.7	117.3	110.7
1979	117.7	117.3	117.7	117.7	118.6	122.1	123.4	122.1	122.9	123.4	127.3	127.3	121.4
1980	126.0	127.3	126.0	128.6	132.1	133.0	135.2	138.3	140.9	142.2	144.4	144.4	134.9
1981	150.5	151.8	150.5	151.4	147.9	147.9	149.2	151.8	151.4	153.1	152.3		
LIGHT CHUNK (6-1/2 OZ. CAN)													
1977	60.9	65.8	63.0	64.2	67.0	65.4	71.1	73.5	73.1	71.5	73.5	75.2	68.7
1978	76.0	75.6	73.9	75.2	75.6	76.8	78.0	77.2	76.8	78.0	80.0	76.8	76.6
1979	80.0	81.7	81.3	79.6	80.8	82.1	78.0	82.5	84.9	82.1	82.9	84.1	81.7
1980	85.7	84.5	89.0	86.9	88.6	91.8	95.1	97.1	100.3	99.5	96.3	101.2	93.0
1981	106.0	104.0	101.6	101.2	95.1	97.1	91.8	97.5	94.3	95.9	98.3		

(1) SOURCE: FISHERY MARKET NEWS REPORT, TERMINAL ISLAND, CAL. -- RESOURCE STATISTICS DIVISION, NMFS; REPORTED BY CALIFORNIA BROKERS AND CANNERY REPRESENTATIVES, F.O.B. CANNER'S TERMINAL. QUOTES DO NOT INCLUDE TRADE OR PROMOTIONAL ALLOWANCES.
(2) SOURCE: OPERATION PRICE WATCH -- FISHERIES DEVELOPMENT DIVISION, NMFS.
(3) NO QUOTES.

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